Title (en)

POWER CONDITIONING AND SAVING DEVICE

Title (de)

ENERGIEAUFBEREITUNGS- UND SPEICHERVORRICHTUNG

Title (fr)

DISPOSITIF DE CONDITIONNEMENT ET D'ÉCONOMIE DE PUISSANCE

Publication

EP 2936523 A4 20161221 (EN)

Application

EP 13866186 A 20131217

Priority

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- US 2013075539 W 20131217

Abstract (en)

[origin: WO2014099839A2] Systems and methods are disclosed herein to a power factor adjuster comprising: a power factor measurement unit configured to measure the power factor on an input line to a load and generate a power factor correction signal based on the measured power factor; and a power factor adjustment unit connected to the power factor measurement unit comprising: a fixed capacitor connected in series to a first switching device; and an adjustable element having a variable capacitance connected in parallel to the fixed capacitor and in series to a second switching device, wherein the overall capacitance of the power factor adjustment unit is adjusted by adjusting the capacitance of the adjustable element or by toggling the first and second switching devices in response to the power factor correction signal.

IPC 8 full level

H01G 5/16 (2006.01); **H02J 3/18** (2006.01)

CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

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