Title (en)

A POWER TRANSFORMATION SYSTEM

Title (de)

STROMTRANSFORMATIONSSYSTEM

Title (fr)

SYSTÈME DE TRANSFORMATION D'ÉNERGIE

Publication

EP 3014731 A4 20180110 (EN)

Application

EP 14817627 A 20140626

Priority

- US 201361841191 P 20130628
- US 201361899427 P 20131104
- US 201414300232 A 20140609
- US 201414300228 A 20140609
- US 201414301116 A 20140610
- US 201414301175 A 20140610
- US 2014044229 W 20140626

Abstract (en)

[origin: WO2014210247A1] A power transformation system having a power stealing mode for powering a device indirectly through an electrical load connected to a power source and also has a characterization mode. The transfer of energy from the power source via the load may go undetected. The system may store energy from the load in an ultra or super capacitor. This energy may be used to power Wi-Fi and various thermostat applications, among other things, associated with HVAC and building automation and management systems. Energy from the load may be supplemented or substituted with energy from a battery and/or a buck converter. In the characterization mode, the system may obtain data relative to power usage of a load and determine a profile to identify one or more components and their operating conditions.

IPC 8 full level

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CPC (source: EP)

F23N 5/123 (2013.01); **F23N 5/265** (2013.01); **H02J 7/345** (2013.01); **H02M 7/2176** (2013.01)

Citation (search report)

- [IA] US 2012126019 A1 20120524 - WARREN DANIEL ADAM [US], et al
- [A] US 2012199660 A1 20120809 - WARREN DANIEL ADAM [US], et al
- [A] US 4753388 A 19880628 - RUMMAGE KENNETH L [US]
- [A] US 2007114848 A1 20070524 - MULHOUSE DAVID P [US], et al
- See references of WO 2014210247A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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