

Title (en)
ENERGY VIRTUALIZATION LAYER WITH A UNIVERSAL SMART GATEWAY AND MODULAR ENERGY STORAGE

Title (de)
ENERGIEVIRTUALISIERUNGSSCHICHT MIT UNIVERSELLEM INTELLIGENTEM GATEWAY UND MODULARER ENERGIESPEICHERUNG

Title (fr)
COUCHE DE VIRTUALISATION D'ÉNERGIE DOTÉE D'UNE PASSERELLE INTELLIGENTE UNIVERSELLE ET STOCKAGE D'ÉNERGIE MODULAIRE

Publication
EP 3639113 A4 20210120 (EN)

Application
EP 18818827 A 20180613

Priority

- US 201715621268 A 20170613
- US 201715621364 A 20170613
- US 201715811659 A 20171113
- US 2018037258 W 20180613

Abstract (en)
[origin: CN110998484A] An energy virtualization system may include a physical interface gateway that may include a plurality of common interfaces. The plurality of common interfaces may be coupled to a plurality of energy-producing devices, a plurality of energy-control devices, and a plurality of energy-consuming devices. The system may also include a building network, wherein the plurality of energy-producing devices, the plurality of energy-control devices, and the plurality of energy-consuming devices can communicate through building network. The system may additionally include a computing device running an energy virtualization layer. The virtualization layer may include a plurality of virtual devices representing the plurality of energy-producing devices, the plurality of energy-control devices; and the plurality of energy-consuming devices. The virtualization layer may also direct energy from the energy-producing devices to the energy-consuming devices according to information received from the energy-control devices.

IPC 8 full level
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Citation (search report)

- [I] US 2013166081 A1 20130627 - SANDERS DEAN [US], et al
- [A] US 2011320832 A1 20111229 - BOSS GREGORY J [US], et al
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Designated contracting state (EPC)
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