

Title (en)
SYSTEM FOR BALANCING AN ELECTRICITY NETWORK WITH A GRID

Title (de)
SYSTEM ZUM AUSGLEICH EINES STROMNETZES MIT EINEM VERSORGUNGSNETZ

Title (fr)
SYSTÈME D'ÉQUILIBRAGE D'UN RÉSEAU ÉLECTRIQUE AVEC UNE GRILLE

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Application
EP 16767041 A 20160830

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Abstract (en)
[origin: WO2017052362A1] The present invention relates to a system for balancing an electricity network with a grid, at least one power source and multiple loads, the system comprising at least one load control unit, for determining a regular energy consumption of one of the power loads, determining a current state of said load, storing and/or communicating the determined values, switching the load on and off the network based on the determined state and a switching signal, at least one grid behavior model unit, for modelling grid behavior based on grid parameters and/or pricing parameters, storing a grid behavior model in a database, at least one central controller, having access to the database, for calculating a switching strategy for matching the power requested by the loads and the power available from the power source, based on the grid behavior model from the database, the current state of the at least one load and sending a switching signal to the load.

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Citation (search report)
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Cited by
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