

Title (en)

ENERGY MANAGEMENT METHOD AND ENERGY MANAGEMENT DEVICE FOR A RESIDENTIAL COMPLEX WITH ONE OR MORE RESIDENTIAL UNITS OR FOR A CITY AREA

Title (de)

ENERGIEMANAGEMENTVERFAHREN UND ENGERIEMANAGEMENTVORRICHTUNG FÜR EINE WOHNANLAGE MIT EINER ODER MEHREREN WOHNHEINHEITEN ODER EIN STADTQUARTIER

Title (fr)

PROCÉDÉ DE GESTION D'ÉNERGIE ET DISPOSITIF DE GESTION D'ÉNERGIE POUR UN ENSEMBLE D'HABITATIONS AVEC UNE OU PLUSIEURS UNITÉ D'HABITATION OU POUR UN QUARTIER URBAIN

Publication

**EP 3167413 A1 20170517 (DE)**

Application

**EP 15736244 A 20150708**

Priority

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- EP 2015065610 W 20150708

Abstract (en)

[origin: WO2016005451A1] The invention relates to an energy management method and an energy management device for a residential complex with one or more residential units or for a city area with a common connection, via which domestic electricity of a generation capacity that can vary over time is supplied to the public power grid of a decentralized domestic electricity generating device and to the residential complex or the city area from the public power grid via the grid power. The method is designed such that the demand not covered by the decentralized domestic electricity generating device corresponding to the degree of the supply 1-S of power from the power grid and the demand covered by the decentralized domestic electricity generating device corresponding to the degree of self-sufficient electricity S of the residential complex or the city area are ascertained; a time dependency of the power usage of a residential unit is detected; and power costs for the residential unit of the residential complex or the city area are ascertained while taking into consideration the ascertained time dependency of the degree of the supply of power from the power grid and the degree of self-sufficient electricity and the detected time dependency of the power usage of the residential unit and the respective rates for grid power and domestic electricity.

IPC 8 full level

**G06Q 10/06** (2012.01); **G06Q 50/06** (2012.01)

CPC (source: EP US)

**G01R 21/001** (2013.01 - US); **G01R 21/1331** (2013.01 - US); **G06Q 10/06** (2013.01 - EP US); **G06Q 50/06** (2013.01 - EP US); **H02J 3/34** (2013.01 - US); **Y02B 70/30** (2013.01 - EP); **Y02B 70/3225** (2013.01 - EP); **Y04S 20/222** (2013.01 - EP); **Y04S 20/242** (2013.01 - EP)

Citation (search report)

See references of WO 2016005451A1

Designated contracting state (EPC)

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