

Title (en)

METHOD AND APPARATUS FOR OPERATING ELECTRICAL DEVICES IN COORDINATION WITH EACH OTHER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUF EINANDER ABGESTIMMTEN BETREIBEN VON ELEKTRISCHEN EINRICHTUNGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FONCTIONNEMENT PARFAITEMENT COORDONNÉ DE DISPOSITIFS ÉLECTRIQUES

Publication

EP 3785343 A1 20210303 (DE)

Application

EP 19720541 A 20190426

Priority

- DE 102018110044 A 20180426
- EP 2019060713 W 20190426

Abstract (en)

[origin: WO2019207094A1] In order to operate electrical devices (10, 11, 18, 20), amounts of power consumption of all the electrical devices (10, 11, 18, 20) are continually captured centrally, the amounts of power consumption are associated with the individual electrical devices (10, 11, 18, 20), and, in order to achieve at least one desired result, at least a first of the electrical devices (10, 11, 18, 20), the operation of which contributes to the achievement of the at least one of the desired results, and a second of the electrical devices (10, 11, 18, 20), the operation of which likewise contributes to the achievement of the at least one of the desired results, are operated with central coordination with each other. For this purpose, measurement values from a plurality of sensors (12, 13, 22) are centrally captured, the sensors (12, 13, 22) registering results that are achieved by the operation of the plurality of electrical devices (10, 11, 18, 20). Likewise centrally, correlations between changes in the measurement values of the individual sensors (12, 13, 22) over time and changes in the amounts of power consumption of the individual electrical devices (10, 11, 18, 20) over time are determined and the at least one desired result is selected from a sub-group of results that are registered by the sensors (12, 13, 22) and in the case of which the correlations between the changes in the measurement values of at least one of the individual sensors (12, 13, 22) over time and the changes in the amounts of power consumption of at least two of the individual electrical devices (10, 11, 18, 20) over time reach a first specified correlation minimum value.

IPC 8 full level

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CPC (source: EP US)

G01R 21/133 (2013.01 - US); **H02J 3/003** (2020.01 - US); **H02J 3/14** (2013.01 - EP US); **H02J 3/381** (2013.01 - US); **H02J 2203/20** (2020.01 - EP US); **H02J 2310/12** (2020.01 - EP); **H02J 2310/14** (2020.01 - EP 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 US)

Citation (search report)

See references of WO 2019207094A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

WO 2019207094 A1 20191031; DE 102018110044 A1 20191031; DE 102018110044 B4 20240125; EP 3785343 A1 20210303; US 11658484 B2 20230523; US 2021044114 A1 20210211

DOCDB simple family (application)

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