

Title (en)

METHOD AND DEVICES FOR A LOAD ALLOCATION AND FOR MONITORING A SUPPLY RELIABILITY-CRITICAL RESOURCE TO BE ALLOCATED IN A NETWORK

Title (de)

VERFAHREN UND VORRICHTUNGEN FÜR EINE LASTZUWEISUNG UND ÜBERWACHUNG FÜR EINE ZUZUWEISENDE VERSORGUNGSSICHERHEITSKRITISCHE RESSOURCE IN EINEM NETZWERK

Title (fr)

PROCÉDÉ ET DISPOSITIFS POUR L'AFFECTATION DE CHARGES ET LA SURVEILLANCE D'UNE RESSOURCE CRITIQUE POUR LA SÉCURITÉ D'APPROVISIONNEMENT À AFFECTER DANS UN RÉSEAU

Publication

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Application

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Abstract (en)

[origin: WO2020188082A1] The invention relates to devices and a method for a load allocation and for monitoring a resource to be allocated in a network (100). The resource to be allocated is a critical resource in terms of supply reliability for a population group and/or a system, and the critical resource has electric power. The network (100) is divided into network units (101), and each network unit (101) has a network unit controller (211). The method has the steps of: providing (10) network unit control methods (11), network unit parameter data sets (12), and sub-network monitoring methods (13) in at least one blockchain (300); allocating (20) a sub-network monitoring unit (111) to one part of the network (110); and transmitting (30, 40) a network unit control method (11) and a network unit parameter data set (12) to each network unit controller (211) of the part of the network (110), wherein the network unit control methods (11) and the network unit parameter data sets (12) are transmitted (30, 40) in a cryptographically secured manner against reading and manipulation of the network unit control methods (11) and the network unit parameter data sets (12) such that a corresponding reading and manipulation process is excluded as much as possible, and the transmission is carried out such that a proper function of each network unit controller (211) of the part of the network (100) is ensured; and monitoring (50) the proper function of each network unit controller (211) of the part of the network (110) by means of the sub-network monitoring unit (111) using a corresponding sub-network monitoring method (13).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020188082A1

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