

Title (en)

MONITORING OF POWER-ELECTRIC DEVICES

Title (de)

ÜBERWACHUNG VON LEISTUNGSELEKTRISCHEN EINRICHTUNGEN

Title (fr)

SURVEILLANCE DE DISPOSITIFS ÉLECTRIQUES DE PUISSANCE

Publication

EP 4241096 A1 20230913 (DE)

Application

EP 21836018 A 20211206

Priority

- DE 102020216013 A 20201216
- EP 2021084337 W 20211206

Abstract (en)

[origin: WO2022128558A1] The invention relates in particular to a monitoring arrangement (2) for a power-electric device (1) and to a power-electric device (1) having a monitoring arrangement (2) of this kind. The monitoring arrangement (2) is equipped with an input (12) for an auxiliary voltage source (3), an output (13) for the auxiliary voltage source (3) and a sensor (8) connected between the input (12) and the output (13) and connected to a control unit (7). The sensor (8) is designed to detect a current flowing between the input (12) and the output (13) and to transmit same as a measured current value to the control unit (7). According to the invention, the control unit (7) is designed to recognise in a series of measured current values a characteristic development of an event in an auxiliary function unit (4) of the power-electric device (1) supplied by the output (13) for the auxiliary voltage source (3). According to the invention, the control unit (7) is furthermore designed to compare the recognised characteristic development with an anticipated characteristic development and, depending on a deviation between the recognised characteristic development and the anticipated characteristic development, to output a maintenance signal.

IPC 8 full level

G01R 31/327 (2006.01)

CPC (source: EP)

G01R 31/3274 (2013.01)

Citation (search report)

See references of WO 2022128558A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022128558 A1 20220623; DE 102020216013 A1 20220623; EP 4241096 A1 20230913

DOCDB simple family (application)

EP 2021084337 W 20211206; DE 102020216013 A 20201216; EP 21836018 A 20211206