

Title (en)

ARRANGEMENT FOR EVALUATING THE STATE AND THE QUALITY OF LOW-VOLTAGE NETWORKS

Title (de)

ANORDNUNG ZUR BEWERTUNG DES ZUSTANDES UND DER QUALITÄT VON NIEDERSPANNUNGSNETZEN

Title (fr)

AGENCEMENT D'ÉVALUATION DE L'ÉTAT ET DE LA QUALITÉ DE RÉSEAUX À BASSES TENSIONS

Publication

EP 4088355 A1 20221116 (DE)

Application

EP 21705166 A 20210211

Priority

- DE 102020103491 A 20200211
- EP 2021053366 W 20210211

Abstract (en)

[origin: WO2021160756A1] The invention relates to an arrangement for evaluating the state and the quality of low-voltage networks, in the branched system of which are located a plurality of connected consumers, by continuous or cyclic determination of network measurement data by means of current and voltage analysis on the basis of a power quality measuring and testing device with transfer of the network measurement data by means of interfaces to a higher-level system or in retrievable form to a server or to the cloud, wherein the measuring and testing devices are combined into a module with external connections.

IPC 8 full level

H02J 3/00 (2006.01); **G01D 4/00** (2006.01); **H01R 9/26** (2006.01); **H02B 1/052** (2006.01); **H02B 1/20** (2006.01); **H05K 1/02** (2006.01)

CPC (source: EP US)

G01R 19/2513 (2013.01 - US); **H02J 3/0012** (2020.01 - EP); **H02J 13/00002** (2020.01 - US); **H02J 13/00022** (2020.01 - US);
H05K 1/14 (2013.01 - EP); **H02B 1/205** (2013.01 - EP); **H05K 1/0257** (2013.01 - EP)

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)

DE 102020103491 A1 20210812; CN 115088153 A 20220920; EP 4088355 A1 20221116; US 2024183886 A1 20240606;
WO 2021160756 A1 20210819

DOCDB simple family (application)

DE 102020103491 A 20200211; CN 202180013724 A 20210211; EP 2021053366 W 20210211; EP 21705166 A 20210211;
US 202117798711 A 20210211