

Title (en)

SYSTEM FOR DESIGNING A LOW-VOLTAGE DISTRIBUTION NETWORK AT A SECONDARY UNIT SUBSTATION

Title (de)

SYSTEM ZUR AUSLEGUNG EINES NIEDERSpannungs-VERTEILNETZES AN EINER ORTSNETZSTATION

Title (fr)

SYSTÈME DE DIMENSIONNEMENT D'UN RÉSEAU DE DISTRIBUTION BASSE TENSION SUR UNE STATION RÉSEAU LOCAL

Publication

EP 3959795 A1 20220302 (DE)

Application

EP 20719615 A 20200416

Priority

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- EP 2020060665 W 20200416

Abstract (en)

[origin: WO2020216667A1] The invention relates to a system, comprising a controller (100), comprising a 3-phase measurement sensor (201, 202, 203, 204), the 3-phase measurement sensor (201, 202, 203, 204) being connected to a low-voltage feeder (11, 12, 13, 14) of a secondary unit substation, at least for current measurement, and a distribution network (20) with generators (E1) and/or consumers (V1, V2) being connected to the low-voltage feeder (11, 12, 13, 14). The controller (100) and the 3-phase measurement sensor (201, 202, 203, 204) are arranged in the secondary unit substation (10). The controller (100) has a data interface (120) for detecting electrical measurement values (M) of the connected 3-phase measurement sensor (201, 202, 203, 204) with associated timestamp (ts). The controller (100) has a communications interface (110) for connection to a higher-level unit (910, 920, 930) outside the secondary unit substation (10). The controller (100) has, in a local memory (130), a first memory area (131) for storing the measurement values (M) with associated timestamp (ts).

IPC 8 full level

H02J 13/00 (2006.01); **H02J 3/00** (2006.01)

CPC (source: EP US)

G05B 17/02 (2013.01 - US); **H02J 13/00001** (2020.01 - EP); **H02J 13/00002** (2020.01 - EP US); **H02J 13/00016** (2020.01 - EP); **H02J 13/00028** (2020.01 - EP); **H02J 13/00034** (2020.01 - US); **H04L 41/12** (2013.01 - EP US); **G06F 3/04815** (2013.01 - US); **G06F 3/04842** (2013.01 - US); **Y02B 90/20** (2013.01 - EP); **Y02E 60/00** (2013.01 - EP); **Y04S 10/16** (2013.01 - EP); **Y04S 10/30** (2013.01 - EP); **Y04S 10/40** (2013.01 - EP); **Y04S 40/124** (2013.01 - EP)

Citation (search report)

See references of WO 2020216667A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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