Title (en)

MEASUREMENT OF HARMONICS IN ELECTRICAL GRIDS

Title (de)

OBERWELLENMESSUNG IN STROMNETZEN

Title (fr)

MESURE D'HARMONIQUES DANS LES RÉSEAUX ÉLECTRIQUES

Publication

EP 3766157 A1 20210120 (DE)

Application

EP 19706559 A 20190219

Priority

- DE 102018106200 A 20180316
- EP 2019054043 W 20190219

Abstract (en)

[origin: WO2019174869A1] The invention relates to a method, carried out by at least one device, comprising: determining a correction factor for at least one first voltage transducer arranged in an electrical grid, the correction factor being indicative of a correction for obtaining correct measurement values measured by the at least one first voltage transducer, the correction factor of at least one first voltage transducer being determined at least partially on the basis of a first measured voltage of the at least one first voltage transducer and a second measured voltage of the at least one first voltage transducer, the second voltage of the at least one first voltage transducer being determined at least partially on the basis of a previously known transfer function of at least one second voltage transducer and the first voltage of the at least one first voltage transducer being determined without consideration of the previously known transfer function of at least one second voltage transducer; determining a calibration factor for the at least one first voltage transducer at least partially on the basis of the determined correction factor; and outputting or triggering the output of the determined calibration factor. The invention further relates to a correspondingly designed device and to a system.

IPC 8 full level

H02J 3/24 (2006.01)

CPC (source: EP US)

G01R 19/0007 (2013.01 - EP); **G01R 19/2513** (2013.01 - EP US); **G01R 35/005** (2013.01 - EP); **H02J 3/381** (2013.01 - US)

Citation (search report)

See references of WO 2019174869A1

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

DOCDB simple family (publication)

WO 2019174869 A1 20190919; CA 3094117 A1 20190919; DE 102018106200 A1 20190919; DE 102018106200 B4 20191114; EP 3766157 A1 20210120; US 2021011061 A1 20210114

DOCDB simple family (application)

EP 2019054043 W 20190219; CA 3094117 A 20190219; DE 102018106200 A 20180316; EP 19706559 A 20190219; US 201916981326 A 20190219