

Title (en)

METHOD FOR CONTROLLING THE STABILITY OF AN ELECTRIC SUPPLY GRID

Title (de)

VERFAHREN ZUR REGELUNG DER STABILITÄT EINES ELEKTRISCHEN VERSORGNUNGSNETZWERKS

Title (fr)

PROCÉDÉ POUR RÉGLER LA STABILITÉ D'UN RÉSEAU D'ALIMENTATION ÉLECTRIQUE

Publication

EP 2559131 A2 20130220 (DE)

Application

EP 11721473 A 20110513

Priority

- DE 102010021070 A 20100519
- EP 2011057770 W 20110513

Abstract (en)

[origin: WO2011144529A2] The invention relates to a method for controlling the stability of an electric supply grid. A first device, designed to exchange electrical energy with the supply grid, measures a part of the supply grid, with which the first device is associated for the energy connection, by means of the geographic location thereof. The first device measures parameters for an intended energy exchange. At least one second device associated with the same part of the supply grid for energy exchange measures parameters for an intended energy exchange. The first device performs the energy exchange, considering the parameters of the first and the second device, such that the electric stability of the part of the supply grid is ensured.

IPC 8 full level

H02J 4/00 (2006.01)

CPC (source: EP US)

H02J 3/241 (2020.01 - EP US); **H02J 3/381** (2013.01 - EP US); **H02J 3/46** (2013.01 - EP US); **H02J 2300/10** (2020.01 - EP); **H02J 2300/20** (2020.01 - EP US); **H02J 2300/24** (2020.01 - EP US); **H02J 2300/28** (2020.01 - EP US); **H02J 2300/40** (2020.01 - EP); **Y02B 70/3225** (2013.01 - EP); **Y02E 10/56** (2013.01 - EP US); **Y02E 10/76** (2013.01 - EP US); **Y04S 20/222** (2013.01 - EP)

Citation (search report)

See references of WO 2011144529A2

Citation (examination)

- US 2009216387 A1 20090827 - KLEIN STANLEY [US]
- DE 69315856 T2 19980723 - VOLVO AB [SE]
- DE 102008042677 A1 20100415 - BOSCH GMBH ROBERT [DE]
- US 2010079004 A1 20100401 - KEEFE ROBERT A [US]

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

DOCDB simple family (publication)

DE 102010021070 A1 20111124; CN 102971931 A 20130313; CN 102971931 B 20160803; EP 2559131 A2 20130220; US 2013116845 A1 20130509; US 9203241 B2 20151201; WO 2011144529 A2 20111124; WO 2011144529 A3 20121129

DOCDB simple family (application)

DE 102010021070 A 20100519; CN 201180024927 A 20110513; EP 11721473 A 20110513; EP 2011057770 W 20110513; US 201113698677 A 20110513