

Title (en)

METHOD FOR SUPPORTING AN ELECTRICAL SUPPLY GRID BY MEANS OF ONE OR MORE WIND TURBINES

Title (de)

VERFAHREN ZUM UNTERSTÜTZEN EINES ELEKTRISCHEN VERSORGNUNGSNETZES MITTELS EINER ODER MEHRERER WINDENERGIEANLAGEN

Title (fr)

PROCÉDÉ D'ASSISTANCE À UN RÉSEAU DE DISTRIBUTION ÉLECTRIQUE AU MOYEN D'UNE OU DE PLUSIEURS INSTALLATIONS D'ÉNERGIE ÉOLIENNE

Publication

EP 3729597 A1 20201028 (DE)

Application

EP 18826046 A 20181220

Priority

- DE 102017131056 A 20171222
- EP 2018086383 W 20181220

Abstract (en)

[origin: CA3085796A1] A method for assisting control of an electrical supply grid or a portion thereof, comprising: recording system states of the supply grid or system states influencing the supply grid, transmitting the system states to a central evaluation or control unit or transmitting the system states between wind turbines or wind farms to control supply to the supply grid, and controlling the supply grid based on the transmitted system states, wherein fundamentally identical system states are simultaneously recorded each time at multiple recording locations associated with the supply grid, the recording of at least one system state at a respective recording location is performed by a wind turbine or wind farm and the wind turbine/farm recording a system state at one location and the wind turbine/farm recording a system state at another location are independent of one another at least such that they supply to the supply grid at different points.

IPC 8 full level

H02J 3/38 (2006.01); **H02J 3/50** (2006.01); **H02J 13/00** (2006.01)

CPC (source: EP US)

F03D 7/0276 (2013.01 - US); **F03D 7/0284** (2013.01 - US); **F03D 7/048** (2013.01 - US); **H02J 3/381** (2013.01 - EP US); **H02J 3/46** (2013.01 - EP US); **H02J 3/50** (2013.01 - EP US); **H02J 13/00006** (2020.01 - US); **H02J 13/00017** (2020.01 - EP US); **H04L 9/0891** (2013.01 - EP); **H02J 3/48** (2013.01 - EP US); **H02J 2300/28** (2020.01 - EP US); **Y02E 10/72** (2013.01 - EP); **Y02E 10/76** (2013.01 - EP); **Y02E 40/70** (2013.01 - EP); **Y02E 60/00** (2013.01 - EP); **Y04S 10/123** (2013.01 - EP); **Y04S 40/124** (2013.01 - EP); **Y04S 40/20** (2013.01 - EP)

Citation (search report)

See references of WO 2019122233A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102017131056 A1 20190627; CA 3085796 A1 20190627; CA 3085796 C 20230912; EP 3729597 A1 20201028; US 11527893 B2 20221213; US 2020392944 A1 20201217; WO 2019122233 A1 20190627

DOCDB simple family (application)

DE 102017131056 A 20171222; CA 3085796 A 20181220; EP 18826046 A 20181220; EP 2018086383 W 20181220; US 201816956982 A 20181220