

Title (en)

WIND FARM ENERGY PARAMETER VALUE FORECAST

Title (de)

WINDPARK-ENERGIEPARAMETERWERT-PROGNOSE

Title (fr)

PRÉDICTION DE VALEUR DE PARAMÈTRE ÉNERGÉTIQUE D'UN PARC ÉOLIEN

Publication

EP 3877924 A1 20210915 (DE)

Application

EP 19795147 A 20191023

Priority

- DE 102018008700 A 20181106
- EP 2019078798 W 20191023

Abstract (en)

[origin: WO2020094393A1] A method according to the invention for forecasting an energy parameter value of at least one wind farm (10-15; 20-25) that is connected to a power grid (100) via a grid connection point (11; 21) and has at least one wind turbine (10; 20) comprises the steps of: capturing (S-10) values of input parameters comprising state, control and/or service parameters from the wind farm, in particular the wind turbine and/or the grid connection point, and/or at least one wind-farm-external device (40-42); and forecasting (20) the energy parameter value on the basis of the captured input parameter values and an automatically learned association between the input parameters and the energy parameter.

IPC 8 full level

G06Q 10/04 (2012.01); **F03D 7/02** (2006.01); **F03D 7/04** (2006.01); **G06Q 50/06** (2012.01)

CPC (source: EP US)

F03D 7/0284 (2013.01 - EP US); **F03D 7/048** (2013.01 - EP US); **F03D 17/00** (2016.05 - EP); **G01W 1/10** (2013.01 - EP US); **G05B 13/027** (2013.01 - EP US); **G06Q 10/04** (2013.01 - EP); **G06Q 50/06** (2013.01 - EP US); **F05B 2260/821** (2013.01 - EP); **F05B 2270/709** (2013.01 - EP); **G05B 2219/2619** (2013.01 - EP); **G06N 3/02** (2013.01 - EP); **Y02E 10/72** (2013.01 - EP)

Citation (search report)

See references of WO 2020094393A1

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)

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DOCDB simple family (application)

DE 102018008700 A 20181106; CN 201980072002 A 20191023; EP 19795147 A 20191023; EP 2019078798 W 20191023; US 201917290520 A 20191023