

Title (en)

METHOD AND SYSTEM FOR ESTIMATING THE ELECTRICAL POWER SUPPLIED BY A PHOTOVOLTAIC MODULE

Title (de)

VERFAHREN UND SYSTEM ZUR SCHÄTZUNG DER VON EINEM FOTOVOLTAISCHEN MODUL GELIEFERTEN ELEKTRISCHEN LEISTUNG

Title (fr)

PROCÉDÉ ET SYSTÈME D'ESTIMATION DE LA PUISSANCE ÉLECTRIQUE FOURNIE PAR UN MODULE PHOTOVOLTAÏQUE

Publication

EP 4264824 A1 20231025 (FR)

Application

EP 21854869 A 20211213

Priority

- FR 2013440 A 20201217
- EP 2021085524 W 20211213

Abstract (en)

[origin: WO2022128933A1] The invention relates to a method for estimating the electrical power of a photovoltaic module, present among a group i of several photovoltaic modules, said method comprising the following steps: - acquiring the following environmental parameters for the group i of photovoltaic modules: o Gh: global horizontal irradiance; o Tamb: ambient temperature; o WindSpeed: wind speed; determining a temperature (T(i,j)) of each photovoltaic module of the group i of photovoltaic modules; determining the electric power (P mppt (i)) delivered by the group i of photovoltaic modules at the maximum power point; - determining corrected environmental parameters for which each of the photovoltaic modules of the group i of photovoltaic modules supplies the corrected electrical power; - determining the corrected electric power (Pelec c (i,j)) of at least one target photovoltaic module belonging to group i of photovoltaic modules from the corrected environmental parameters.

IPC 8 full level

H02S 50/00 (2014.01); **H02S 50/10** (2014.01)

CPC (source: EP)

H02S 50/00 (2013.01); **H02S 50/10** (2014.12); **Y02E 10/50** (2013.01)

Citation (search report)

See references of WO 2022128933A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022128933 A1 20220623; EP 4264824 A1 20231025; FR 3118363 A1 20220624; FR 3118363 B1 20230630

DOCDB simple family (application)

EP 2021085524 W 20211213; EP 21854869 A 20211213; FR 2013440 A 20201217