

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341051105 A

(19) INDIA

(22) Date of filing of Application :28/07/2023

(43) Publication Date : 22/12/2023

(54) Title of the invention : A SYSTEM AND METHOD FOR REAL-TIME PERFORMANCE ASSESSMENT OF COMMERCIALY AVAILABLE SOLAR PHOTOVOLTAIC (SPV) PANELS

(51) International classification :G06N0003040000, G06N0003080000, H01L0021660000, H04L0043160000, G05B0023020000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)GMR INSTITUTE OF TECHNOLOGY

Address of Applicant :GMR Nagar, Rajam, Rajam -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)TEEGALA SRINIVASA KISHORE

Address of Applicant :Department of Electrical & Electronics Engineering, GMR Institute of Technology, GMR Nagar, Rajam, Andhra Pradesh- 532127 Rajam -----

2)POTNURU UPENDRA KUMAR

Address of Applicant :Department of Electrical & Electronics Engineering, GMR Institute of Technology, GMR Nagar, Rajam, Andhra Pradesh- 532127 Rajam -----

(57) Abstract :

ABSTRACT A SYSTEM AND METHOD FOR REAL-TIME PERFORMANCE ASSESSMENT OF COMMERCIALY AVAILABLE SOLAR PHOTOVOLTAIC (SPV) PANELS The present invention relates to a system and method for real-time performance assessment of commercially available solar photovoltaic (SPV) panels. The proposed system will be continuously monitored and the above data will be obtained by a data acquisition system and after measuring the certain input parameters, following parameters will be used to evaluate the performance. Figure 1

No. of Pages : 24 No. of Claims : 5