ABSTRACT

AN AUTOMATED SYSTEM AND METHOD FOR DETECTING SOILING OVER SOLAR PANELS OF A SOLAR PLANT

The present invention relates to an automated system (100) and method (200) for detecting soiling over solar panels (112) of a solar plant, the automated system includes a plurality of actinometers (102) arranged on the plurality of solar panels (112); a plurality of temperature sensors (104) coupled to the plurality of actinometers and solar panel modules; a central processing unit (106) coupled to the plurality of actinometers and plurality of temperature sensors, wherein the central processing unit includes a central sever (108) configured to acquire data from the plurality of actinometers and plurality of temperature sensors; a processing module (110) configured to process the acquired data.

Figure 1