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(54) Title of the invention : AN AI ABETTED GREEN ENERGY GENERATING SYSTEMS

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number: Filing Date</p> <p>(62) Divisional to Application Number Filing Date</p>	<p>:F03D0009000000, F03D0009250000, F03D0009110000, H02S0010120000, H02J0007350000</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p> <p>:NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. Balaji. D Address of Applicant :Assistant Professor in department of Mechanical Engineering, KPR Institute of Engineering and Technology, Arasur, Coimbatore, Tamil Nadu, India 641407. Tamil Nadu India</p> <p>2)Dr. JarabalaRanga 3)Mr. G.BaluNarasimhaRao 4)Mr. K. Venkateswar Rao 5)Dr.D.Srilatha 6)Dr.R.V.S.LakshmiKumari 7)Mrs. S.V.R.LakshmiKumari 8)Mr. Moturuseshu</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Balaji. D 2)Dr. JarabalaRanga 3)Mr. G.BaluNarasimhaRao 4)Mr. K. Venkateswar Rao 5)Dr.D.Srilatha 6)Dr.R.V.S.LakshmiKumari 7)Mrs. S.V.R.LakshmiKumari 8)Mr. Moturuseshu 9)Dr.R.Ashokkumar 10)Mr.S K B Pradeepkumar CH</p>
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(57) Abstract :

ABSTRACT A green energy generation using solar, wind and mechanical systems comprises of a solar thermal energy unit (1), a wind energy unit (2), a mechanical energy unit (3), a generator (4) and a battery (5). The solar thermal energy unit (1) and the wind energy unit (2) produce energy when it receives energy from source that is from light and air correspondingly. The mechanical energy unit (3) produces energy automatically the gas stored in the chamber and spring until it is under operating state. All the 3 units combined to produce-power which is stored in the battery. The selection of the system amongst of 2 systems are made with the help of AI unit (6).

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(54) Title of the invention : Solar Panel Rotation System: Automatic Solar Panel Rotation System.

<p>(51) International classification :F24S 30/00</p> <p>(31) Priority Document No :NA</p> <p>(32) Priority Date :NA</p> <p>(33) Name of priority country :NA</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. Dande Srilatha (Associate Professor) Address of Applicant :Department of Electrical and Electronics Engineering, Vasireddy Venkatadri Institute of Technology (Autonomous), Nambur, Guntur(Dt)., Andhra Pradesh, India-522508, E-mail: srilatha.dande@gmail.com Andhra Pradesh India</p> <p>2)Dr. RVS Lakshmi Kumari (Associate Professor & HoD)</p> <p>3)Mr. B. Srinivasaraju (Assistant Professor)</p> <p>4)Mr. Umamaheswararao Mallepula (Assistant Professor)</p> <p>5)Mr. Katta Deevan Kumar (Research Scholar)</p> <p>6)Dr. K. Venkateswara Rao (Associate Professor)</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Dande Srilatha (Associate Professor)</p> <p>2)Dr. RVS Lakshmi Kumari (Associate Professor & HoD)</p> <p>3)Mr. B. Srinivasaraju (Assistant Professor)</p> <p>4)Mr. Umamaheswararao Mallepula (Assistant Professor)</p> <p>5)Mr. Katta Deevan Kumar (Research Scholar)</p> <p>6)Dr. K. Venkateswara Rao (Associate Professor)</p>
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(57) Abstract :

ABSTRACT Our invention Solar Panel Rotation System: is a system for use in solar power generation and to the arrangement of solar panel drive and tilt mechanisms to follow the movement of the sun relative to the earth and the invention more relates to a drive mechanism for rotating a large defined array of solar panels in a very cost effectively. The invented technology also includes a solar tracking control system selectively energizes and deenergizes a motor and the motor causes a rotatable shaft supported on a base and situated parallel to the earths axis of rotation to be rotated. The invented technology also a U-member is connected to the rotatable shaft and to a frame upon which there is mounted a solar panel or collector and a bracket is connected to each of the two U-member legs and to the frame. The invented technology also includes a two reinforcing walls are connected to the U-member legs and the U-member middle portion so as to reinforce and retain the U-member shape and by selectively rotating the rotatable shaft the solar panel or collector is pivoted in a substantially perpendicular position to the sun throughout the day. The invented technology also follow the another mounting assembly the frame is connected to a first plate having a pivot hole and a plurality of equidistant angle displacement holes and a second plate is connected to the base and has a pivot hole and an angle displacement hole. The invented technology also includes a pivot shaft is received through the pivot holes thereby allowing the frame to pivot and an angle displacement shaft is selectively received through the second plate angle displacement hole and any one of the first plate angle displacement holes so as to selectively angularly fix the frame and solar panel or collectors to more substantially be perpendicular to the sun during the various seasons of the year.

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