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(54) Title: VERTICAL AXIS SOLAR POWERED GENERATOR

(57) Abstract: An electrical power generation system comprises a vertical axis solar powered generator having a bottom side grounded and a top side connected to a vertical rotor shaft, a central rotating hub having a center connected to the vertical rotor shaft, a solar energy collecting and converting unit enclosed in a transparent dome mounted on a top side of the central rotating hub, and a plurality of rotating arms having a proximal end secured to the central rotating hub and a distal end connected to a dual-V roller bearing. The system further comprises an electric motor with a propeller mounted proximate to the distal end of rotating arms, a shroud attached to ground, and a pair of hollow tubes attached to the shroud. Solar energy collecting and converting unit provides electric energy to electric motor which turns the propeller and rotates the rotating arms thereby causing electric energy generation by generator.



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