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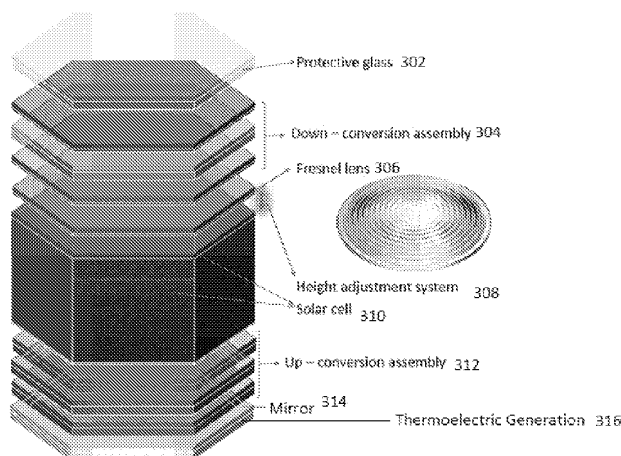


FIG. 3

(57) Abstract: The present invention comprises solar tubes and other components arranged in a repetitive manner to form solar bricks. More specifically, the solar bricks (102) are assembled to form a solar panel that permits multiple direct and indirect reflection of solar radiation to achieve multiple reflection due to induced optical whirl of solar rays of visible spectrum that minimizes reflectance loss. The assembly (100) includes a 3rd dimension arrangement of solar cell in solar tube that allows to trap solar radiation and utilise higher solar cell area w.r.t horizontal earth surface. The assembly includes Peltier cells suitable to operate at low differential temperature for harnessing and used solar energy that is converted to heat. Further, solar thermal and full spectrum photovoltaic generation is combined to derive maximum efficiency.



WO 2023/242655 A1