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<p>(51) International classification :F24S0010400000, F24S0080200000, F28D0020000000, F24S0010900000, E04D0003365000</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 : 1)Dr. M. Thambidurai Address of Applicant :Assistant Professor, Dept. of Mechanical Engineering, Govt. College of Engineering, Sengipatti, Thanjavur – 613 001. Thanjavur -----</p> <p>2)Dr. M. Arulselvi 3)Dr. P. Sivarajan 4)Dr. N. Nagarajan 5)Dr. K. Karthikeyan 6)Dr. S. Sivaprakasam Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. M. Thambidurai Address of Applicant :Assistant Professor, Dept. of Mechanical Engineering, Govt. College of Engineering, Sengipatti, Thanjavur – 613 001. Thanjavur -----</p> <p>2)Dr. M. Arulselvi Address of Applicant :Associate Professor, Dept. of Computer Science & Engg, Faculty of Engg. & Tech, Annamalai University, Annamalai Nagar – 608 002. Annamalai Nagar -----</p> <p>3)Dr. P. Sivarajan Address of Applicant :Associate Professor, Dept. of Civil Engineering, Faculty of Engg. & Tech, Annamalai University, Annamalai Nagar – 608 002. Annamalai Nagar -----</p> <p>4)Dr. N. Nagarajan Address of Applicant :Associate Professor, Dept. of Civil Engineering, Faculty of Engg. & Tech, Annamalai University, Annamalai Nagar – 608 002. Annamalai Nagar -----</p> <p>5)Dr. K. Karthikeyan Address of Applicant :Associate Professor, Dept. of Civil Engineering, Faculty of Engg. & Tech, Annamalai University, Annamalai Nagar – 608 002. Annamalai Nagar -----</p> <p>6)Dr. S. Sivaprakasam Address of Applicant :Associate Professor, Dept. of Civil Engineering, Faculty of Engg. & Tech, Annamalai University, Annamalai Nagar – 608 002. Annamalai Nagar -----</p>
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(57) Abstract :

Disclosing a proposed innovation in connection with Net-zero energy building systems Electricity generators, an insulated fluid storage tank, and a fluid circulation sub-system that is joined with the panels, generators, and tank are all included in some embodiments of the systems. The roofing panels are made of an array of horizontal elliptic glass vacuum tube solar collectors attached to the reinforced lightweight concrete panel. The roofing panels are positioned on the roof of a building. In some embodiments, the systems include the following: a fluid circulation sub-system that is joined with the panels and generator.

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