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<p>(51) International classification :H02J0007000000, F03D0080700000, H02J0003000000, H02J0007350000, H02J0003320000</p> <p>(86) International Application No :NA Filing Date :NA</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)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)ANAND, Neeraj Address of Applicant :Chitkara Business School, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>--</p> <p>2)SINGH, Manjeet Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>3)GUPTA, Lakshya Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>4)PATEL, Hiral Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>5)SINGH, Gourav Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p>6)SHARMA, Shivam Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

A device for recharging a battery, comprises a vacuum suction cup 102 mounted on first end of a shaft 104, where the vacuum suction cup 102 grips to an external rotating surface and couples the shaft 104 with the external rotating surface enabling rotation of the shaft 104. A hollow frame 106 enclosing, a dynamo 108 is coupled to second end of the shaft 104 so as the dynamo 108 generates a first electric voltage. A solar panel 110 mounted on outer surface of the housing 106 captures solar radiation and generates a second electric voltage. A step-up transformer 112 is coupled with the dynamo 108 and the solar panel 110, where the step-up transformer 112 steps up the first electric voltage and the second electric voltage to an optimum voltage and battery 114 coupled with the step-up transformer 112, draws an electric current at the optimum voltage.

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