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(54) Title of the invention : UNIVERSAL WIRELESS BATTERY CHARGER TO CHARGE DIFFERENT VOLTAGE RANGE BATTERIES

<p>(51) International classification :B60L53/12, B60L53/122, H02J50/12, H02J7/00, H02M3/28, H02M3/315, H02M3/335</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 : <b>1)National Institute of Technology Karnataka</b> Address of Applicant :Srinivasnagar PO, Surathkal, Mangalore - 575025, Karnataka, India. Mangalore -----</p> <p><b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)Marupuru Vinod</b> Address of Applicant :Kammavaripalli (Vill.), Ananthasagaram (Mandal), SPSR Nellore, SPSR Nellore, -----</p> <p><b>2)Dharavath Kishan</b> Address of Applicant :# 2-59/2, GaddigudemThanda (Vi. &amp; Po.),Mahabubabad,Telangana-506101, India Mahabubabad -----</p> <p><b>3)Bonthapalle Dastagiri Reddy</b> Address of Applicant :1-127 B, Nelatur (Vi.&amp;Po.), Duvvur, Kadapa, Andhra Pradesh-516175, India Duvvur, Kadapa -----</p>
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(57) Abstract :

According to an aspect, a wireless electric vehicle battery charger comprises a DC source of first voltage value, a power interface coil operative to generate electromagnetic field to wirelessly couple a second voltage to a receiving coil for wireless charging a battery of a rated voltage, an electronic circuitry operative to generate the second voltage a controller operative to control the operation of electronic circuitry, wherein the controller generate a control signal to generate the second voltage that is substantially same as the rated voltage even when the rated voltage is twice the first voltage value. << FIG. 2>>

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