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<p>(51) International classification :H02J0007000000, H02M0003156000, B60L0050500000, H02S0040380000, H02J0007220000</p> <p>(86) International Application No Filing Date :PCT// :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : <b>1)Malla Reddy Engineering College (Autonomous)</b> Address of Applicant :Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)DR N RAJESWARAN</b> Address of Applicant :Professor, Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p><b>2)DR P MARIMUTHU</b> Address of Applicant :Professor, Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p><b>3)DR T RAJESH</b> Address of Applicant :Professor, Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p><b>4)DR M KONDALU</b> Address of Applicant :Professor, Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p><b>5)DR KOTA PRASAD RAO</b> Address of Applicant :Professor, Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p><b>6)DR P SARALA</b> Address of Applicant :Associate Professor, Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p><b>7)E RATHNAKAR</b> Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p> <p><b>8)SK BAJI BABA</b> Address of Applicant :Malla Reddy Engineering College (Autonomous) Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India -----</p>
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(57) Abstract :  
7. ABSTRACT A dc-dc converter power regulation and charging of a battery in an electric vehicle is disclosed wherein the system(10) comprises of, a 230v main supply(1), a transformer circuit(3), a bridge full wave rectifier circuit(4), a capacitor(8), an IC 7805 voltage regulator(6), a resistor(7) and a led arrangement(9) furthermore a filter circuit (5), a set of comparators(2) and timer circuits were also preinstalled inside the said system(10). The said filters (5) are electronic circuits, which perform signal-processing functions, specifically to remove unwanted frequency components from the signal and to enhance wanted ones. The said system (10) allows a high initial charge current that tapers off until the said battery reaches full charge and the said system (10) uses a constant current, allowing the voltage to rise until the said battery voltage reaches a full charge. Wherein the said system (10) when the charge current is then turned off to prevent overcharging. The Figure associated with the Abstract is Fig 1A and 1B.

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