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(54) Title of the invention : PREPARATION OF E-GLASS FIBRE REINFORCED EPOXY BASED HYBRID COMPOSITES FILLED WITH RHA/WDA/RHAWDA FOR WATER TANK AND ROOF SHEET MANUFACTURING

<p>(51) International classification :B27G0003000000, C04B0018100000, C02F0001280000, C08K0003040000, B32B0037140000</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)Mr. Vidya Sagar Battula</b> Address of Applicant :Research Scholar, Department of Mechanical engineering, Andhra University College of Engineering, Andhra University, South Campus, Waltair Junction, Vishakhapatnam Andhra Pradesh, India – 530003 Visakhapatnam -----</p> <p><b>2)Dr. K. Venkata Subbaiah</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)Mr. Vidya Sagar Battula</b> Address of Applicant :Research Scholar, Department of Mechanical engineering, Andhra University College of Engineering, Andhra University, South Campus, Waltair Junction, Vishakhapatnam Andhra Pradesh, India – 530003 Visakhapatnam -----</p> <p><b>2)Dr. K. Venkata Subbaiah</b> Address of Applicant :Senior professor &amp; Head of the Department of Mechanical engineering Andhra University College of Engineering Andhra University, South Campus Waltair Junction, Andhra Pradesh, India – 530003 Visakhapatnam ----- ----- --</p>
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(57) Abstract :

The Present inventions discloses A E-glass fibre Reinforced Epoxy Based Hybrid Composites preparation filled with: RHA (rice husk ash) ; or WDA( wood dust ash); or RHAWDA (rice husk ash and wood dust ash); for water tank and roof sheet manufacturing. To enhance the properties of composites and to reduce the manufacturing or fabrication cost, the researchers are using various industrial waste materials as polymer modifiers or fillers. The usage of these fillers in large scales can reduce the environmental pollution and also the disposal problems.

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