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(54) Title of the invention : AUTOMATED IMMERSION WATER HEATER ASSEMBLY AND METHOD EMPLOYED THEREOF

<p>(51) International classification :F24H0009200000, H05B0045200000, H05B0001020000, G05D0023190000, F24H0001000000</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)CMR College of Engineering & Technology Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 2)Rahul Sai Ranganathan 3)Sankeerth Yadav 4)V.Srija Deepthi 5)Padakanti Shivacharan 6)Anusha Pulipati 7)B. Suresh Ram 8)K. Ravi Kiran 9)A Vivekanand 10)V. Panduranga Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Rahul Sai Ranganathan Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 2)Sankeerth Yadav Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 3)V.Srija Deepthi Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 4)Padakanti Shivacharan Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 5)Anusha Pulipati Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 6)B. Suresh Ram Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 7)K. Ravi Kiran Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 8)A Vivekanand Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 9)V. Panduranga Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----</p>
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(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards an automated immersion water heater assembly and method employed thereof. The assembly includes a power supply, an Arduino Uno, a breadboard, a LED screen, a temperature sensor, immersion water heater and a relay. The assembly further includes the LED screen is configured to display the current temperature of the water in centigrade scale and the temperature sensor is configured to detect the temperature of the water throughout the heating process. The assembly further includes the red color led is configured to indicate the heating process is in progress stating that the power supply is ON. The assembly further includes the relay is configured to cut off the power supply to the device once the water is heated to desirable temperature and the green color led and a buzzer is configured to indicate the water is reached to the desired temperature, resulting in automatically immersion water heated at desired temperature. Fig. 1

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