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Patent Search

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Inventor

Name	Address	Country	Na
Dr.D.Shobha Rani	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc
Dr.M.Pala Prasad Reddy	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc
Dr.A.Naresh Kumar	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc
Dr.P.Srilatha	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc
Mr.P.Shiva Kumar	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc
Mr.G.Sarath Raju	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc
Mr.A.Somaiah	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc
Mr.S.Srikrishnan	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Inc

Applicant

Name	Address	Country	N
Institute of Aeronautical Engineering	Institute of Aeronautical Engineering, Dundigal, Hyderabad-500043, Telangana, India.	India	Ir

Abstract:

ABSTRACT: Title: Multi-parameter Based Immersion Water Heating System The present disclosure proposes a multi-parameter based immersion water heating system enables customized heating in immersion heaters and provides efficient water heating based on various water parameters. The system comprises a user input unit 104, a controller unit 106, a display unit 108 and a heating unit 110. The proposed multi-parameter based immersion water heating system detects various water and display water temperature and time to reach the temperature. The proposed user-friendly multi-parameter based immersion water heater detects water hardness volume of water in a container, and displays the heating parameters to the user. The proposed immersion water heating system allows user to change the water heating parameters based on requirement.

Complete Specification

Claims:CLAIMS:

We Claim:

1. A multi-parameter based immersion water heating system, comprising:

a user input unit configured to allow a user to input or alter at least one heater parameter;

a sensor unit configured with plurality of sensors to detect various water parameters such as volume, hardness, and temperature of water in a container, and external parameters;

a controller unit connected to a display unit configured to process said various detected water parameters, said external parameters and said at least one input or heater parameter, and thereby display a proportional heater parameter based on said at least one input or altered heater parameter to said user and transmitting a control command; and

a heating unit controlled by said controller unit configured to receive said control command from said controller unit to heat water based on said proportional heater parameter and said at least one input or altered heater parameter,

whereby said system enables customized heating in immersion heaters and provides efficient water heating based on various water parameters.

2. The multi-parameter based immersion water heating system as claimed in claim 1, wherein said user input unit is either a rotating adjustment switch or at least a tapping switches.

3. The multi-parameter based immersion water heating system as claimed in claim 1 wherein said at least one heater parameter entered or altered by said user through

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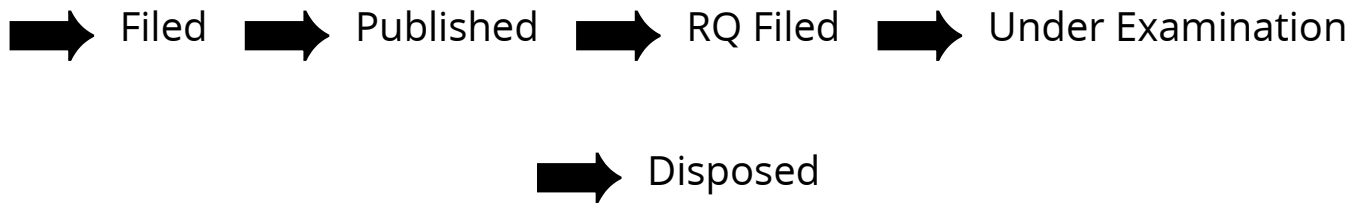
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E-MAIL (As Per Record)	hima@novelpatent.com
ADDITIONAL-EMAIL (As Per Record)	murali@novelpatent.com
E-MAIL (UPDATED Online)	
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