

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311086973 A

(19) INDIA

(22) Date of filing of Application :19/12/2023

(43) Publication Date : 19/01/2024

(54) Title of the invention : FOOD COOKING ASSISTIVE DEVICE

(51) International classification :G06F0011140000, A61B0006000000, H01S0003000000, G01D0005245000, H04N0001000000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :

1)Noida Institute of Engineering and Technology, Greater Noida

Address of Applicant :Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. Sandhya Umrao

Address of Applicant :Department of Computer Science & Engineering (AI), Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida - -----

2)Amrish Kumar Sharma

Address of Applicant :Master of Computer Application, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

3)Dr. Prabha Shreeraj Nair

Address of Applicant :Department of Information Technology and M.Tech Integrated, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida -----

4)Vivek Ranjan

Address of Applicant :Department of Computer Science & Engineering, Noida Institute of Engineering and Technology, Greater Noida, Plot No. -19, Knowledge Park-II, Institutional Area, Greater Noida, Uttar Pradesh-201306, India. Greater Noida - -----

(57) Abstract :

A food cooking assistive device, comprising a ring 1 constructed with three to six extendable curved plates 2 accommodated over a hollow wooden log carved with a cavity in which user manually places kindling for obtaining heat to cook food, two to three laser sensors detects diameter of log accordingly plates 2 extend for accommodating ring 1 over log, an ultrasonic sensor detects distance between each rods 3 and surface and accordingly rods 3 extends for stabilizing ring 1, a computing unit linked with device via a communication module for enabling user to enter time duration, a camera 4 detects type of food, four triangular members 6 configured with ring 1 via sliders 7 for translating members 6 towards/away from base of utensil for providing intensity of flame to utensil, an RTC module keeps track of time and if fed duration completes a notification is sent to computing unit.

No. of Pages : 17 No. of Claims : 5