

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411066030 A

(19) INDIA

(22) Date of filing of Application :31/08/2024

(43) Publication Date : 20/09/2024

(54) Title of the invention : AUTOFLAME TIMERPRO GAS STOVE

(51) International classification :F24C3/12, F24C5/16, A47J36/32,
F24C15/20
(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)Chitkara University

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

2)Chitkara Innovation Incubator Foundation

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Lakha Singh

Address of Applicant :Department Of Electronics and Communication Engineering, Chitkara University Institute Of Engineering And Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

2)Shaminder Kaur

Address of Applicant :Department Of Electronics and Communication Engineering, Chitkara University Institute Of Engineering And Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----

(57) Abstract :

ABSTRACT The present disclosure introduces an autoflame timerpro gas stove 100 which is an advanced cooking appliance designed to automate and enhance the cooking process through precise flame control and user-friendly features. It integrates a microcontroller 102 that manages all stove operations by processing real-time data from a flame sensor 104. The stove features a touch-based user interface 106, allowing users to easily set cooking parameters and monitor status. An automated timer 108 regulates cooking duration and flame adjustments, while the gas flow control valve 110 ensures accurate flame intensity. The safety shut-off system 112 provides an added layer of protection by automatically stopping the gas flow in case of flame irregularities or unsafe conditions. Reference Fig 1

No. of Pages : 20 No. of Claims : 10