(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :10/08/2018

(21) Application No.201841030054 A
(43) Publication Date : 24/08/2018

(54) Title of the invention : AUTOMATIC GAS CUT-OFF BASED ON PRESSURE COOKER WHISTLE

(51) International classification :F17C13/00
(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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)SRI VENKATESHWARA COLLEGE OF ENGINEERING
Address of Applicant :Sri Venkateshwara College of Engineering,KIA Road,Vidyanagar, Bengaluru,Karnataka,India-562 157 Karnataka India
(72)**Name of Inventor :**
1)Swapna Ch
2)Aadya Pant
3)Manish Bharat

(57) Abstract :
The growth of electronics has impact on human in their day to day lives. The manufacturing of portable devices using electronics has created revolution in the market. Due to huge development in the electronics, automation of machines has increased a lot, which ease human work to the maximum. In our present work, we have developed an automatic gas cut off system based on pressure cooker whistle. It is very essential, as automatic gas turn off when the pressure cooker reaches desired count. Initially a pushbutton is used to provide the required number of whistles. The sound sensor which is integrated to the system senses the sound of the pressure cooker and starts counting the whistles. These signals are given to the microcontroller for further processing. Once the sound sensor reaches the desired number of whistles it provoke the DC motor to control the knob of the gas, i.e., the DC motor will turn off the gas once the given count through the pushbutton and the sound sensor count becomes equal. Thus automatic gas turn off based on pressure cooker whistle is very important for every human to overcome the burden of turning off the gas after the desired number of pressure cooker whistle. To bring the device back to the initial stage one touch sensor is used such that when the touch sensor is touched it will come to its initial stage

No. of Pages : 10 No. of Claims : 2