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(57) Abstract :

The present disclosure relates to an apparatus (100) for automated control of fuel for use in food preparation, the apparatus includes a rack to support cooking utensils (118), a fuel flow sensor that measures the fuel flow attributes from the fuel source, a temperature sensor (104) measures temperature attributes maintained for cooking food in the cooking utensils (118), a regulation valve (106) controls flow of fuel; and a controller (108). The controller configured to receive the fuel flow attributes and temperature attributes to extract a set of values wherein based on the determination of the extracted set of values from the fuel flow sensor and the temperature sensor, the controller configured to operate the regulation valve to control the supply of fuel for food preparation.

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