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(57) Abstract :

A housing 1 having an inlet port 2 for providing a passage to feed woods, a heating unit for igniting the woods, a thermal imaging camera 3 integrated with a controller for detecting temperature by capturing images of the ignited woods, wherein the controller on processing the captured images generates a sequential commands, at least two sliders 4 for providing movement to a railing 5 over the sliders 4, an extendable piston unit 6 in combination with the railing 5 for pushing the ignited woods, a wood rotating assembly 7 having extendable portions for adjusting positions of the woods, a chamber 8 in continuation with a telescopic wiper unit 9 for collecting ash, wherein the wiper unit 9 aids in mopping the ash, plurality of pressure sensor for detecting change in pressure, wherein the controller on receiving the detected signals generates a command to actuate a suction unit. Ref Figure 1

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