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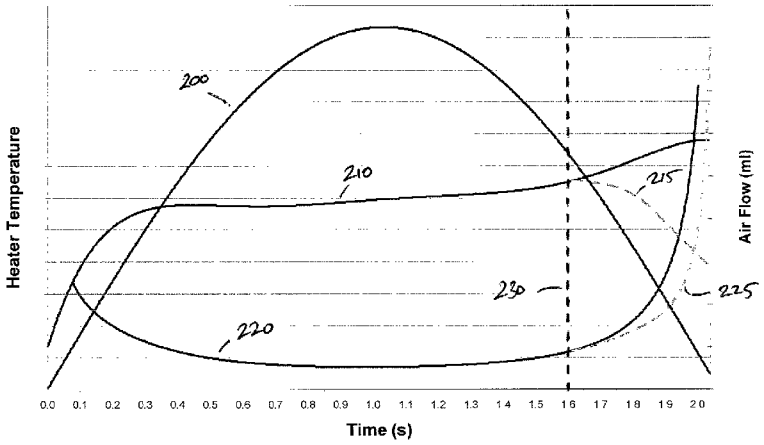


Figure 2

(57) Abstract: There is provided a method of controlling aerosol production in an aerosol- generating device, the device comprising a powered aerosol generating element, a flow channel configured to allow a flow of gas past the aerosol generating element, and a flow sensor configured to detect the air flow in the flow channel, comprising the steps of: determining a value of a first parameter related to a change in flow rate; and reducing a supply of power to the aerosol generating element depending on a result of a comparison between the value of the first parameter and a threshold value wherein the first parameter is derived from a combination of a second parameter that is a measure of a flow rate detected by the flow sensor and a third parameter related to the flow rate, and wherein the third parameter is temperature, power supplied to the aerosol generating element, a maximum detected flow rate, or a rate of change of flow rate, or is derived from a combination of two or more of temperature, power supplied to the aerosol generating element, a maximum detected flow rate, and a rate of change of flow rate. The invention provides a method of controlling aerosol production, and in particular reducing or suspending aerosol production, based not simply on a detected flow rate, but on another measure indicative of the evolution of the flow characteristics.

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