80% and about 90%, and in a particularly preferred embodiment the first duty cycle being 95% and the second duty cycle being 85%. The third power profile preferably comprises three consecutive duty cycles, the first duty cycle being between about 90% and about 100%, the second duty cycle being between 65% and about 75%, and the third duty cycle being between about 55% and about 65%, and in a particularly preferred embodiment the first duty cycle being 95%, the second duty cycle being 70%, and the third duty cycle being 60%.

The quantity of volatile liquid aerosolised is dependent on the temperature of the compartment being heated, the temperature of the compartment being related to the power supplied to the heater.

The volatile liquid preferably comprises nicotine, and the quantity of nicotine aerosolised per puff of the user on the aerosol-generating device is controllable between about 50 micrograms and about 150 micrograms. Each smoking article preferably has sufficient volatile liquid to provide at least one usage event defined as 12 puffs. In a preferred embodiment, each aerosol-generating article preferably has sufficient volatile liquid to enable a plurality of usage events. As will be appreciated, reducing the quantity of volatile liquid aerosolised during each puff, enables more usage events per aerosol-generating article.

In an alternative embodiment, the input may be configured to receive a continuous range of inputs from a user, the range of inputs corresponding to a respective range of quantities of aerosolised volatile liquid. In this alternative embodiment, the controller is preferably configured to control the amount of power supplied to the heater by changing the duty cycle from between a minimum duty cycle of about 50% and a maximum duty cycle of about 100%. In this way, the user is provided with an aerosol-generating system which enables the quantity of volatile liquid aerosolised to be continuously varied.

The power supply is preferably a battery, and more preferably a rechargeable battery.

The at least one heater may be an electrically resistive heater. The heater may be a coil arranged on the internal surface of the cavity configured to receive the aerosol-generating article. The aerosol-generating device may comprise one, two, three, four, five, six or more heaters.

Preferably, the aerosol-generating device further comprises at least one further heater configured to receive power from the power supply and arranged to heat the second compartment when the aerosol-generating article is received in the outer housing. The controller is further configured to control the amount of power supplied to the at least one further heater, such that the quantity of delivery enhancing compound aerosolised is proportional to the quantity of volatile liquid aerosolised.

The second compartment is preferably heated to a lower temperature than the first compartment, because, as described herein, the vapour pressure of the delivery enhancing compound may be lower than the vapour pressure of the volatile liquid nicotine.

CLAIMS:

1. An aerosol-generating system comprising:

an aerosol-generating device in cooperation with an aerosol-generating article;

the aerosol-generating article comprising:

a first compartment comprising a volatile liquid; and

a second compartment comprising a delivery enhancing compound;

the aerosol-generating device comprising:

an outer housing adapted to receive the aerosol-generating article;

a power supply;

at least one heater, configured to receive power from the power supply and arranged to heat the first compartment when the aerosol-generating article is received in the outer housing;

at least one further heater configured to receive power from the power supply and arranged to heat the second compartment when the aerosol-generating article is received in the outer housing;

an input, configured to receive a plurality of discrete inputs from a user, each discrete input corresponding to a respective discrete quantity of aerosolised volatile liquid required by the user; and

a controller, configured to control the amount of power supplied to the at least one heater by changing a duty cycle, each discrete input from the user corresponding to a respective discrete duty cycle, such that the quantity of volatile liquid aerosolised is determined by the user input;

wherein the controller is further configured to control the amount of power supplied to the at least one further heater, such that the quantity of delivery enhancing compound aerosolised is proportional to the quantity of volatile liquid aerosolised.

2. An aerosol-generating system according to Claim 1, wherein the discrete duty cycles include: between about 90% and about 100%; between about 80% and about 90%; and about 55% and about 65%.

3. An aerosol-generating system according to Claim 1 or 2, wherein each discrete duty cycle is a steady-state portion of a respective discrete power profile.

4. An aerosol-generating system according to Claim 3, wherein each discrete power profile comprises a plurality of duty cycles, including the steady-state duty cycle.

5. An aerosol-generating system according to Claim 4, wherein the plurality of duty cycles includes a first duty cycle of between about 90% and about 100%.

6. An aerosol-generating system according to Claim 5, wherein at least one of the power profiles comprises a second duty cycle of between about 65% and about 75%.

7. An aerosol-generating system according to any of the preceding claims, wherein the quantity of volatile liquid aerosolised is dependent on the temperature of the first compartment, the temperature of the first compartment being directly related to the power supplied to the at least one heater.

8. An aerosol-generating system according to any of the preceding claims, the aerosol-generating article further comprising an insulating element between the first compartment and the second compartment.

9. An aerosol-generating system according to any of the preceding claims, the controller being further configured to control the amount of power supplied to the at least one further heater by changing the duty cycle, the duty cycle for the at least one heater being different to the duty cycle for the at least one further heater.

10. An aerosol-generating system according to any of the preceding claims, further comprising at least one air inlet upstream of the first compartment, and at least one air outlet downstream of the second compartment, the at least one air inlet and the at least one air outlet being arranged to define an air flow pathway extending from the at least one air inlet to the at least one air outlet via the first compartment, and via the second compartment.

11. An aerosol-generating system according to any of the preceding claims, wherein the volatile liquid comprises nicotine, and the quantity of nicotine aerosolised per puff of the user on

the aerosol-generating device is controllable between about 50 micrograms and about 150 micrograms.

12. An aerosol-generating system according to any of the preceding claims, wherein the delivery enhancing compound reacts with the volatile liquid in the vapour-phase to form an aerosol to be inhaled by the user.

13. An aerosol-generating system according to any of the preceding claims, wherein the delivery enhancing compound comprises an acid.

14. An aerosol generating device for use in an aerosol-generating system according to any of the preceding claims, comprising:

an outer housing, adapted to receive an aerosol-generating article comprising a first compartment comprising a volatile liquid, and a second compartment comprising a delivery enhancing compound;

a power supply;

at least one heater, configured to receive power from the power supply and arranged to heat the first compartment when an aerosol-generating article is received in the outer housing;

at least one further heater configured to receive power from the power supply and arranged to heat the second compartment when the aerosol-generating article is received in the outer housing;

an input, configured to receive a plurality of discrete inputs from a user, each discrete input corresponding to a respective discrete quantity of aerosolised volatile liquid required by the user; and

a controller, configured to control the amount of power supplied to the at least one heater by changing a duty cycle, each discrete input from the user corresponding to a respective discrete duty cycle, such that the quantity of volatile liquid aerosolised is determined by the user input;

wherein the controller is further configured to control the amount of power supplied to the at least one further heater, such that the quantity of delivery enhancing compound aerosolised is proportional to the quantity of volatile liquid aerosolised.