CLAIMS

What is claimed is:

~~1. A method of manufacturing a consumable-containing package for use in an aerosol producing device, the method comprising:~~

~~a) combining a susceptor with a consumable to form a consumable-containing unit;~~

~~b) applying a coating onto the consumable-containing unit;~~

~~c) heating the coating to harden into an encasement around the consumable-containing unit, wherein the encasement is porous, whereby the consumable-containing package is produced.~~

~~2. The method of claim 1, wherein the coating comprises starch.~~

~~3. The method of claim 2, further comprising extruding the consumable with the susceptor to form the consumable-containing unit.~~

~~4. The method of claim 3, further comprising rolling the extruded susceptor and consumable to form a cylinder with a spiraling pattern when viewed along a transverse cross-section.~~

~~5. The method of claim 1, further comprising incorporating the consumable into a medium to form the consumable-containing unit.~~

~~6 A method of manufacturing a consumable-containing package for use in an aerosol producing device, the method comprising:~~

~~a) flattening a piece of steel wool into a susceptor having a thickness of less than 0. 1 inch (2.54mm);~~

~~b) co-extruding the susceptor with a consumable to form a consumable-containing unit;~~

c) placing the consumable-containing unit into an encasement, whereby the consumable-containing package is produced.

7. The method of claim 6, wherein flattening the piece of steel wool occurs during the step of co-extruding the susceptor with the consumable.

8. The method of claim 7, further comprising adding an additive to the susceptor.

9. The method of claim 8, further comprising rolling the extruded susceptor and consumable to form a cylinder with a spiraling pattern when viewed along a transverse cross-section.

10. The method of claim 6, further comprising incorporating the consumable into a medium to form the consumable-containing unit.

11. A device for generating aerosol, comprising:

a) a consumable-containing unit;

b) a susceptor combined with the consumable-containing unit;

c) a housing to receive the consumable-containing unit and the susceptor to from a consumable- containing package;

d) a receiver having a proximal end defining a main opening to receive the consumable-containing package, and distal end defining a distal opening,

wherein

e) the consumable-containing package is inserted into the main opening of the receiver; and

f) a seal mounted at the proximal end of the receiver to create an airtight seal between the consumable-containing package and the main opening of the receiver, wherein the seal surrounds a portion of the consumable-containing package.

12. The device of claim 11, wherein the seal is ring shaped.

~~13. The device of claim 12, further comprising a presser, wherein actuation of the presser causes radial compression of the seal around the housing.~~

~~14. The device of claim 13, further comprising a spacer in between the consumable containing package and the housing to maintain an airflow passageway to the mouthpiece.~~

~~15. The device of claim 11, further comprising an airflow controller at the distal end of the receiver.~~

~~16. The device of claim 15, wherein the airflow controller comprises a control valve and a pressure sensor.~~

~~17. The device of claim 16, wherein the pressure sensor is operatively connected to a system controller, and the system controller is operatively connected to the control valve.~~

~~18~~1. A method for aerosolizing a consumable by an aerosol producing device, the method comprising:

a) preheating a susceptor surrounded by the consumable to a moderate temperature that is above room temperature, but below an aerosolizing temperature ~~with a heating element~~; and

b) heating the susceptor with a heating element from the moderate temperature to the aerosolizing temperature ~~with the heating element~~, whereby the consumable is aerosolized.

~~19~~2. The method of claim ~~18~~1, ~~further comprising~~ wherein after heating the susceptor to the aerosolizing temperature, bringing the susceptor back down to the moderate temperature~~, wherein the heating element for preheating the susceptor and heating the susceptor is a coil wrapped around the susceptor~~.

~~20~~3. The method of claim ~~18~~1, ~~further comprising~~ wherein after heating the susceptor to the aerosolizing temperature, bringing the susceptor back down to an intermediate temperature that is lower than the aerosolizing temperature, but higher than the moderate temperature~~, and maintaining the susceptor at the intermediate temperature with the heating element~~.

~~21~~4. The method of claim ~~18~~1, wherein preheating the susceptor occurs upon insertion of a consumable-containing package into the aerosol producing device.

~~22~~5. The method of claim ~~21~~4, wherein heating the susceptor to the aerosolizing temperature occurs ~~upon~~ when a pressure sensor detects a pressure drop inside the aerosol producing device.

6. The method of claim 1, wherein preheating the susceptor occurs upon actuation of an actuator.

7. The method of claim 1, wherein the moderate temperature is from about 100 degrees C to about 250 degrees C.

8. The method of claim 7, wherein the aerosolizing temperature is 400 degrees C or greater.

9. The method of claim 8, further comprising the step of calculating a power required to achieve the aerosolizing temperature based on a time after a first puff.

10. The method of claim 8, further comprising the step of monitoring a temperature drop of the susceptor after a first puff, and calculating an amount of power required to achieve the aerosolizing temperature based on a current temperature of the susceptor after the temperature drop.

11. The method of claim 1, further comprising controlling the heating element with a system controller receiving information from a recognition system.

12. The method of claim 11, wherein the recognition system comprises an optical sensor.

13. The method of claim 12, wherein the optical sensor comprises a light sensor to detect light reflected off of a sign on a consumable-containing package containing the consumable and the susceptor.

14. The method of claim 13, wherein the optical sensor further comprises a light source configured to emit a spectrum of light towards the sign.

15. The method of claim 14, further comprising executing an administration protocol specific to the consumable associated with the sign.

~~23. A device for generating aerosol, comprising:~~

~~a) a consumable-containing package comprising a consumable, a susceptor surrounding the consumable, and a sign;~~

~~b) an aerosol producing device configured to house the consumable-containing package, the aerosol producing device comprising a heating element to inductively heat the susceptor, and a recognition system configured to read the sign on the consumable-containing package when the consumable-containing package is housed inside the aerosol producing device; and~~

~~c) a system controller operatively connected to the recognition system and the heating element, wherein information received from the recognition system is used to control the heating element.~~

~~24. The device of claim 23, wherein the recognition system comprises an optical sensor.~~

~~25. The device of claim 24, wherein the optical sensor comprises a light sensor to detect light reflected off of the sign.~~

~~26. The device of claim 25, wherein the optical sensor further comprises a light source configured to emit a spectrum of light towards the sign.~~

~~27. The device of claim 26, wherein the system controller executes an administration protocol specific to the consumable associated with the sign.~~

~~28~~16. ~~A~~The method of ~~executing an administration protocol for aerosolizing a consumable, the method~~ claim 1, further comprising:

a) reading a sign on a consumable-containing package containing the consumable with an optical sensor ~~when the consumable-containing package is placed inside an aerosol producing device~~;

b) identifying the administration protocol for the consumable associated with the sign with a system controller;

c) executing the administration protocol, whereby the consumable is aerosolized.

~~29~~17. The method of claim ~~28~~16, further comprising detecting a pattern on the sign.

~~30~~18. The method of claim ~~28~~16, further comprising detecting a wavelength of light reflected from the sign.

~~31~~19. The method of claim ~~30~~18, further comprising emitting a spectrum of light towards the sign.

~~32~~20. The method of claim ~~28~~19 further comprising the system controller executing a disabling response to render the consumable unusable.