CLAIMS

1. An aerosol generating system for heating a liquid aerosol-forming substrate, the system comprising:

a liquid storage portion for storing the liquid aerosol-forming substrate;

a capillary wick for conveying the liquid aerosol-forming substrate from the liquid storage portion; and

leakage prevention means comprising sealing means between the liquid storage portion and the capillary wick configured to prevent or reduce leakage of the liquid aerosol-forming substrate from the liquid storage portion, wherein the sealing means comprises a sealing ring.

2. An aerosol generating system according to claim 1, wherein the leakage prevention means further comprises a porous plug at least partially located within the liquid storage portion.

3. An aerosol generating system according to claim 1 or 2, wherein, the capillary wick is located partially inside the liquid storage portion for contact with the liquid in the liquid storage portion.

4. An aerosol generating system according to claim 3, wherein the sealing ring is positioned at the junction between the liquid storage portion and the capillary wick.

5. An aerosol generating system according to any preceding claim, wherein the aerosol generating system is electrically operated and further comprises an electric heater for heating the liquid aerosol-forming substrate.

6. An aerosol generating system according to claim 5, further comprising at least one electrical connector for the heater, and wherein the leakage prevention means comprises sealing means between the liquid storage portion and at least one of the electrical connectors.

7. An aerosol generating system according to any preceding claim, further comprising a vaporizer connected to the liquid storage portion for vaporizing the liquid aerosol-forming substrate, and wherein the leakage prevention means are configured to prevent or reduce leakage of the liquid aerosol-forming substrate from the liquid storage portion and the vaporizer.

an electric heater, connected to the electric power supply, for heating the liquid aerosol-forming substrate in the second end of the capillary wick;

wherein the liquid storage portion, capillary wick and electric heater are arranged in the first end of the aerosol generating system.

9. A cartridge for storing a liquid aerosol-forming substrate, for use with an aerosol generating system for heating the liquid aerosol-forming substrate, the cartridge comprising:

a container for storing the liquid aerosol-forming substrate;

a capillary wick for conveying the liquid aerosol-forming substrate from the liquid storage portion; and

leakage prevention means comprising sealing means between the liquid storage portion and the capillary wick configured to prevent or reduce leakage of the liquid aerosol-forming substrate from the container, wherein the sealing means comprises a sealing ring.

10. A cartridge according to claim 9, wherein the leakage prevention means further comprises a porous plug at least partially located within the container.

11. A cartridge according to claim 9 or 10, wherein, the capillary wick is located partially inside the liquid storage portion for contact with the liquid in the liquid storage portion.

12. A cartridge according to claim 11, wherein the sealing ring is positioned at the junction between the liquid storage portion and the capillary wick.

13. A cartridge according to any of claims 9 to 12, further comprising an electric heater for heating the liquid aerosol-forming substrate, the electric heater being connectable to an electric power supply in the aerosol generating system.

14. A cartridge according to claim 13, further comprising at least one electrical connector for the heater, and wherein the leakage prevention means comprises sealing means between the container and at least one of the electrical connectors.

15. A cartridge according to any of claims 9 to 14, further comprising a vaporizer connected to the liquid storage portion for vaporizing the liquid aerosol-forming substrate, and wherein the leakage prevention means are configured to prevent or reduce leakage of the liquid aerosol-forming substrate from the liquid storage portion and the vaporizer.