capsules are broken. It may therefore be difficult for the consumer to tune the intensity of the flavour or to control how the taste will evolve over time.

It would be desirable to provide an improved smoking article incorporating an additive delivery system that makes it possible for the consumer to selectively tune and control the amount of additive released into the mainstream smoke. In particular, where the additive is a flavourant, it would be desirable to provide an improved smoking article incorporating a flavour delivery system that enables to consumer to control the evolution of the taste perceptions during the smoking experience. Further, it would be desirable to provide such a smoking article that is straightforward and inexpensive to manufacture.

According to the invention, there is provided a smoking article incorporating an additive delivery system, the additive delivery system comprising: a frangible capsule comprising a breakable shell containing a liquid core comprising a first additive, wherein the shell can be broken by means of a pressure to release a single burst of the liquid core; and a sustained-release liquid delivery material comprising a liquid composition containing a second additive, wherein the liquid composition is releasable in discrete amounts from the liquid delivery material upon compressions of the liquid delivery material so as to selectively combine the first and the second additive. The frangible capsule and the sustained-release liquid delivery material are spaced apart at least 10 mm apart in the longitudinal direction, such that a consumer can separately and selectively activate the release of additive from either component of the frangible capsule and the sustained-release liquid delivery material.

According to the invention, there is further provided a filter for a smoking article comprising an additive delivery system as defined above.

In the following description, any references to the features or properties of the smoking articles according to the invention also apply to the filters according to the invention, unless stated otherwise.

Smoking articles according to the present invention incorporating the sustained-release liquid delivery material may be in the form of filter cigarettes or other smoking articles in which tobacco material is combusted to form smoke. The present invention additionally encompasses smoking articles in which tobacco material is heated to form an aerosol, rather than combusted, and smoking articles in which a nicotine-containing aerosol is generated from a tobacco material, tobacco extract, or other nicotine source, without combustion or heating. Smoking articles according to the invention may be whole, assembled smoking articles or components of smoking devices that are combined with one or more other components in order to provide an assembled device for producing an aerosol, such as for example, the consumable part of a heated smoking device.

distance between the frangible capsule and the sustained-release delivery material for the consumer to be able to compress either independently. Further details about the configuration and materials of the filter shall be provided below.

Preferably, the frangible capsule and the sustained-release delivery material are spaced at least about 5 mm apart in the longitudinal direction. In accordance with the invention, the frangible capsule and the sustained-release delivery material are spaced at least about 10 mm apart in the longitudinal direction. In a preferred embodiment, the frangible capsule and the sustained-release delivery material are spaced about 13.5 mm apart in the longitudinal direction.

Alternatively or in addition, the frangible capsule and the sustained-release delivery material are preferably spaced at most about 20 mm apart, more preferably at most about 18 mm apart, in the longitudinal direction.

The frangible capsule of the additive delivery system of the smoking article of the invention is configured to act as a single-burst release component. In other words, it is configured to release substantially all of the content of first additive upon application of a given force on the capsule. The frangible capsule comprises a breakable outer shell and an inner liquid core. A larger capsule shall include a proportionately thicker outer shell. Such a shell is relatively straightforward to manufacture consistently and with the desired crush strength.

The capsule may have any suitable structure in which a structural material encloses the liquid core. The capsule may be formed in a variety of physical formations including, but not limited to, a single-part capsule, a multi-part capsule, a single-walled capsule, a multi-walled capsule, a large capsule, and a small capsule. Preferably, the outer shell is substantially continuous, in other words seamless. Preferably, the outer shell is sealed before the application of the external force, but is frangible or breakable to allow the liquid core to be released when the external force is applied.

Provision of a capsule which releases its liquid core when the filter is subjected to an external force allows the first additive to be controllably released by the consumer. The external force may be applied, and hence the additive released, prior to or during use of the smoking article. The external force on the frangible capsule allows the first additive to escape from the capsule and interact with and modify the characteristics of the smoking article and thus the smoke derived therefrom. Because the first additive is only released when an external force is applied to the filter, this reduces the chance of the first additive migrating or disintegrating, for example, during storage.

The frangible capsule may have a crush strength in the range from about 5 Newton to about 25 Newton. Preferably, the frangible capsule has a crush strength in the range from

CLAIMS

1. A smoking article incorporating an additive delivery system, the additive delivery system comprising:

a frangible capsule comprising a breakable shell containing a liquid core comprising a first additive, wherein the shell can be broken by means of a pressure to release a single burst of the liquid core; and

a sustained-release liquid delivery material comprising a liquid composition containing a second additive, wherein the liquid composition is releasable in discrete amounts from the liquid delivery material upon compression of the liquid delivery material so as to selectively combine the first and the second additive,

wherein the frangible capsule and the sustained-release liquid delivery material are spaced at least 10 mm apart in the longitudinal direction, such that a consumer can separately and selectively activate the release of additive from either component of the frangible capsule and the sustained-release liquid delivery material.

2. A smoking article according to claim 1, wherein the sustained-release liquid delivery material comprises:

a closed matrix structure defining a plurality of domains, the liquid composition being trapped within the domains.

3. A smoking article according to claim 1 or 2, wherein the first and the second additive are the same additive.

4. A smoking article according to claim 1 or 2, wherein the first and the second additive are different additives, the liquid composition being releasable from the liquid delivery material upon compressions of the liquid delivery material to vary the relative proportion of the combined first and second additives.

5. A smoking article according to any of the preceding claims, wherein the frangible capsule is a flavourant capsule, the first additive comprising a first flavourant mixed with one or more fats that are liquid at room temperature (22 degrees Celsius).

6. A smoking article according to any of the preceding claims, wherein the liquid delivery material is a flavour delivery material, the liquid composition being a flavour composition, the second additive comprising a second flavourant mixed with one or more fats that are liquid at room temperature (22 degrees Celsius).

7. A smoking article according to any of the preceding claims, wherein the frangible capsule is a seamless capsule.

8. A smoking article according to claim 7, wherein the seamless capsule has a crush strength of about 5 Newton to 25 Newton.

9. A smoking article according to any of the preceding claims, wherein the liquid delivery material provides a sustained release of the liquid composition upon compression of the material over a range of force of at least 5 Newton.

10. A smoking article according to claim 9, wherein the liquid delivery material provides a sustained release of the liquid composition upon compression of the material over a range of force from about 10 Newton to about 15 Newton.

11. A smoking article according to any of the preceding claims, wherein the volume of liquid core released upon rupture of the shell is from about 5 microlitres to about 45 microlitres.

12. A smoking article according to claim 11, wherein the volume of liquid core released upon rupture of the shell is from about 10 microlitres to about 20 microlitres.

13. A smoking article according to any of the preceding claims, wherein the discrete amount of liquid composition released upon a single compression of the liquid delivery material is from about 1 microlitres to about 10 microlitres.

14. A smoking article according to any of the preceding claims, wherein the ratio of the total volume of liquid composition contained within the sustained-release delivery material to the total volume of liquid composition contained within the frangible capsule is between about 0.20 and 0.80.

15. A filter for a smoking article comprising an additive delivery system, the additive delivery system comprising:

a frangible capsule comprising a breakable shell containing a liquid core comprising a first additive, wherein the shell can be broken by means of a pressure to release a single burst of the liquid core; and

a sustained-release liquid delivery material comprising a liquid composition containing a second additive, wherein the liquid composition is releasable in discrete amounts from the liquid

delivery material upon compression of the liquid delivery material so as to selectively combine the first and the second additive,wherein the frangible capsule and the sustained-release liquid delivery material are spaced at least 10 mm apart in the longitudinal direction.

5