CLAIMS

1. An elongate aerosol-generating device (100, 1000) in which at least a portion of the device has a transverse external cross-section defined by a shape having at least 5 sides, in which the external cross-section is a shape defining an outer circumcircle having a diameter of between 10 mm and 20 mm, the shape having at least five corners joined by curves.
2. An elongate aerosol-generating device (100, 1000) according to claim 1 wherein the device is substantially cylindrical.
3. An elongate aerosol-generating device (100, 1000) according to claim 1 or 2, wherein the device is between 60 mm and 150 mm in length and the cross-sectional shape comprises between 7 and 12 sides, each side being greater than 2 mm long.
4. An elongate aerosol-generating device (100, 1000) according to any preceding claim, wherein the external cross-sectional shape is a polygon.
5. ~~An elongate aerosol-generating device (100, 1000) according to any preceding claim in which the external cross-section is a shape defining an outer circumcircle having a diameter of between 10 mm and 20 mm, the shape having at least five corners joined by curves.~~
6. ~~5.~~ An elongate aerosol-generating device (100, 1000) according to any preceding claim comprising a transversely extending protrusion (106, 1012, 1022).
7. ~~6.~~ An elongate aerosol-generating device (100, 1000) according to any of the preceding claims, wherein at least one end of the aerosol-generating device is tapered.
8. ~~7.~~ An elongate aerosol-generating device (100, 1000) according to any preceding claim in which the external shape of the device is defined by a housing, the housing comprising an elongate shell having a length of between 60 mm and 150 mm and a wall thickness of between 0.2 mm and 1 mm.
9. ~~8.~~ An elongate aerosol-generating device (100, 1000) according to claim ~~8~~ 7 in which the housing comprises first and second elongated portions, the first and second elongated portions being separable from one another.
10. ~~9.~~ An elongate aerosol-generating device (100, 1000) according to claim ~~8~~ 7 or ~~9~~ 8 in which the housing is formed from a polymer having a wall thickness of between 0.5 mm and 1 mm.
11. ~~10.~~ An elongate aerosol-generating device (100, 1000) according to claims ~~8~~7, ~~9~~8, or ~~10~~ 9 in which the housing has an internal cross-section, at least a portion of the internal cross-section being non-circular.
12. ~~11.~~ An elongate aerosol-generating device (100, 1000) according to any of the preceding claims comprising:

a substrate receiving cavity (302) adapted to receive an aerosol-forming substrate;

a heating element (406) adapted to heat an aerosol-forming substrate to generate an aerosol; and

a power supply adapted to provide power to the heating element.

~~13.~~12. An aerosol-generating system, comprising:

an elongate aerosol-generating device (100, 1000) according to any of the preceding claims; and

a charging device (600) comprising a cavity (602) having a polygonal transverse cross-section corresponding to the polygonal transverse cross-section of the aerosol-generating device, the cavity being adapted to receive the elongate aerosol-generating device.

~~14.~~13. An aerosol-generating system according to claim ~~13~~12, wherein the cavity comprises at least one notch for receiving at least one corresponding protrusion on the aerosol-generating device.

~~15.~~14. An aerosol-generating system according to claim ~~14~~13, wherein the at least one protrusion is a button adapted to activate the aerosol-generating device.