CLAIMS

1. An aerosol-generating device ~~(100)~~ comprising a heating element ~~(406)~~ and an external housing ~~(500, 502)~~, in which the external housing is elongate and is adapted to resist rolling, in which the external housing has a transverse cross-section forming a shape having at least three corners connected by curves, in which the corners are spaced by between 2 mm and 10 mm and are connected by curves having a radius of curvature of between 100 mm and 10000 mm.

~~2. An aerosol-generating device according to claim 1 in which the external housing has a transverse cross-section forming a shape having at least three corners connected by straight lines or curves.~~

~~3.~~2. An aerosol-generating device according to claim 1 ~~or 2~~ in which the external housing is substantially cylindrical.

~~4.~~3. An aerosol-generating device according to claim ~~3~~ 2 in which the cylinder has a cross-section defining a shape having three, four, five, six, seven, eight, nine, ten , eleven, twelve, thirteen, fourteen, fifteen, or sixteen corners.

~~5.~~4. An aerosol-generating device according to any preceding claim in which the corners are ~~spaced by between 2 mm and 10 mm and are~~ connected by curves having a radius of curvature of ~~between 100 mm and 10000 mm, preferably~~ between 200 mm and 2000 mm.

~~6.~~5. An aerosol-generating device according to any preceding claim in which at least one end of the aerosol-generating device is tapered.

~~7.~~6. An aerosol-generating device according to any preceding claim in which the housing is between 80 mm and 150 mm in length.

~~8.~~7. An aerosol-generating device according to any preceding claim in which a protrusion ~~(106)~~ stabilises the device against rolling.

~~9.~~8. An aerosol-generating device according to any preceding claim comprising a cavity ~~(302)~~ for receiving an aerosol-generating article such that an aerosol-forming substrate comprised in the aerosol-generating article is located in proximity to the heating element.

~~10.~~9. An aerosol-generating device according to any preceding claim in which the housing comprises two or more sections.

~~11.~~10. A system comprising an aerosol-generating device ~~(100)~~ according to any preceding claim and a charging device ~~(600)~~ comprising a cavity ~~(602)~~ for receiving

the aerosol-generating device, in which the cavity is shaped to receive the aerosol-generating device within the cavity.

~~12.~~11. A system according to claim ~~11~~ 10 in which the aerosol-generating device can only be inserted into the cavity in a predetermined orientation.