Claims

1. Method of producing an electronic device, comprising the following steps:

   (a) obtaining a silazane-siloxane copolymer by reacting an organosilane, an amine and an organosiloxane,
   (b) providing a composition comprising the silazane-siloxane copolymer obtained in step (a), and
   (c) applying it to a substrate in an electronic device.

2. Method according to claim 1, wherein the organosilane comprising two halogen end groups, and the organosiloxane comprising two halogen end groups or two hydroxy end groups.

3. Method according to claim 2, wherein the organosilane is of formula (I)

$$X^1\text{-}SiR^1R^2\text{-}X^2 \qquad (I)$$

wherein

X^1 and X^2 are at each occurrence independently selected from the group consisting of Cl, Br, I; and

R^1 and R^2 are at each occurrence independently H or a carbyl group.

4. Method according to claim 3, wherein R^1 and R^2 are at each occurrence H or independently alkyl having at least 1 and at most 20 carbon atoms.

5. Method according to any one or more of claims 1 to 4, wherein the organosiloxane is of formula (II)

$$X^3\text{-}[SiR^3R^4\text{-}O\text{-}]_a\text{-}SiR^3R^4\text{-}X^4 \qquad (II)$$

wherein

X^3 and X^4 are identical and are at each occurrence independently selected from the group consisting of OH, Cl, Br, I;

R^3 and R^4 are at each occurrence independently H or a carbyl group; and

a is an integer of at least 4 and at most 10,000.

6. Method according to claim 5, wherein R^3 and R^4 are at each occurrence independently alkyl having at least 1 and at most 40 carbon atoms.

7. Method according to claim 5 or claim 6, wherein R^3 and R^4 are methyl.

8. Method according any one or more of claims 5 to 7, wherein a is an integer of at least 4 and at most 500.

9. Method according to any one or more of the preceding claims, wherein the amine is of formula (III)

$$NH_2R^5 \qquad (III)$$

wherein R^5 is at each occurrence independently H or carbyl.

10. Method according to any one or more of the preceding claims, wherein the amine is ammonia.

11. Method according to any one or more of the preceding claims, wherein the electronic device is an LED chip and the silazane-siloxane copolymer is deposited directly onto the LED chip.

12. Method according to any one or more of the preceding claims, wherein said composition further comprises a light emitting material.

13. Method according to claim 12, wherein the light emitting material is a phosphor.