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(54) **POLYCARBOSILANE AND CURABLE COMPOSITIONS FOR LED ENCAPSULANTS COMPRISING SAME**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

The present invention provides a polycarbosilane represented by the following formula (1):

$$[R^1R^2R^3SiX_{1/2}]_M[R^4R^5SiX_{2/2}]_D[R^6SiX_{3/2}]_T[SiX_{4/2}]_Q \quad (1); \text{ and}$$

a curable composition comprising:

(A) said polycarbosilane of formula 1 as polycarbosilane A,

(B) at least one polycarbosilane B represented by the following formula (2):

$$[R^7R^8R^9SiX_{1/2}]_{M'}[R^{10}R^{11}SiX_{2/2}]_{D'}[R^{12}SiX_{3/2}]_{T'}[SiX_{4/2}]_{Q'}, \quad (2), \text{ and}$$

(C) at least a catalyst.

12 Claims, No Drawings