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(54) **HIGH-YIELD METHOD OF ENDOHEDRALLY ENCAPSULATING SPECIES INSIDE FLUORINATED FULLERENE NANOCAGES**

6,544,463 B1 * 4/2003 Luzzi et al. 264/346

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See application file for complete search history.

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(57) **ABSTRACT**

This invention is directed to the fluorination (or derivatization with alternative chemical species) of fullerene carbon nanocages as an efficient way to (a) facilitate synthesis of endohedral complexes by a significant reduction or elimination of the barriers for the entry of guest-ions, -atoms or molecules, and (b) to preserve the chemical stability of final product.