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Method and Apparatus for Hydrogen Production from Greenhouse Gas Saturated Carbon Nanotubes and Synthesis of Carbon Nanostructures Therefrom

This invention comprises a novel apparatus and method of utilizing nanostructures, such as carbon nanotubes, to capture greenhouse gases and hydrocarbon molecules for storage. The hydrogen of the stored species is then stripped for storage or for plasma generation. In addition, the present invention describes a cloning process for converting the carbon from these molecules into new carbon nanotubes in a single-step and scalable process. The process may be employed to produce multi-wall nanotubes, single-wall nanotubes or C60 fullerenes.

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