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Goodell et al.

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(54) **PROCESS FOR PRODUCING CARBON NANOTUBES AND CARBON NANOTUBES PRODUCED THEREBY**

423/447.6, 447.7, 447.8, 447.9;
977/742-754, 842-848; 428/367

See application file for complete search history.

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USPC **423/447.7; 423/447.8**

(58) **Field of Classification Search**
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(Continued)

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(57) **ABSTRACT**

A process of producing a composite having carbon nanotubes is described where the carbon nanotube formation process of producing carbon nanotubes includes controlled heating of plant fiber materials in an oxygen-limited atmosphere. The plant fiber materials may be heated either cyclically or by rapid heating to produce the carbon nanotubes.

32 Claims, 3 Drawing Sheets
(2 of 3 Drawing Sheet(s) Filed in Color)

