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(54) Title: SPIRAL WOUND ELECTRICAL DEVICES CONTAINING CARBON NANOTUBE-INFUSED ELECTRODE MATERIALS AND METHODS AND APPARATUSES FOR PRODUCTION THEREOF

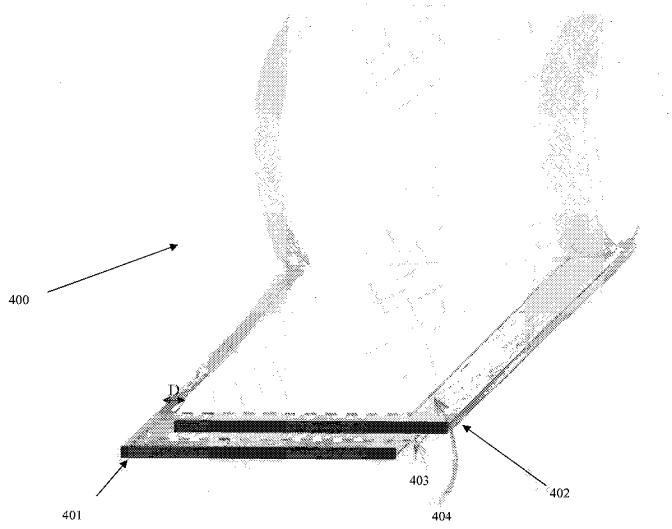

FIGURE 4A

(57) Abstract: Electrical devices having electrodes containing carbon nanotubes infused to a substrate are described herein. The electrical devices contain at least a first electrode material containing a first plurality of carbon nanotubes infused to a first substrate and a second electrode material containing a second plurality of carbon nanotubes infused to a second substrate. The first electrode material and the second electrode material are wound in a spiral configuration about a central axis. The electrical devices can be supercapacitors, which also contain at least an electrolyte in contact with the first electrode material and the second electrode material, and a first separator material disposed between the first electrode material and the second electrode material. Methods and apparatuses for making the electrical devices are also disclosed herein.

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