

# Floating Evaporative Assembly Of Aligned Carbon Nanotubes

### View U.S. Patent No. 9,786,853 in PDF format.

#### WARF: P140200US03

Inventors: Michael Arnold, Padma Gopalan, Gerald Brady, Yongho Joo, Harold Evensen

### The Invention

High density films of semiconducting single-walled carbon nanotubes having a high degree of nanotube alignment are provided. Also provided are methods of making the films and field effect transistors (FETs) that incorporate the films as conducting channel materials. The single-walled carbon nanotubes are deposited from a thin layer of organic solvent containing solubilized single-walled carbon nanotubes that is spread over the surface of an aqueous medium, inducing evaporative self-assembly upon contacting a solid substrate.

## Additional Information

### For More Information About the Inventors

- Michael Arnold
- Padma Gopalan

#### **Tech Fields**

<u>Semiconductors & Integrated Circuits : Components & materials</u>

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846

We use cookies on this site to enhance your experience and improve our marketing efforts. By continuing to browse without changing your browser settings to block or delete cookies, you agree to the storing of cookies and related technologies on your device. See our privacy policy

