



Floating Evaporative Assembly Of Aligned Carbon Nanotubes

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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

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Tech Fields

- [Semiconductors & Integrated Circuits : Components & materials](#)

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