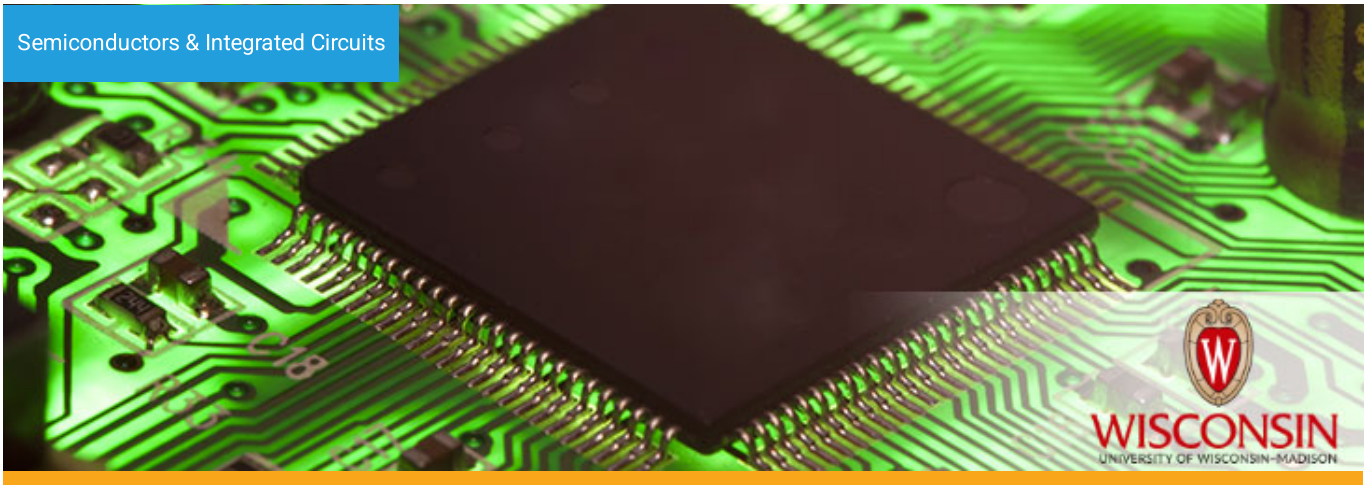

Degradable Conjugated Polymers For The Selective Sorting Of Semiconducting Carbon Nanotubes

View U.S. Patent No. 9,938,149 in PDF format.

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Inventors: Padma Gopalan, Michael Arnold, Catherine Kansiusarulsamy, Gerald Brady, Matthew Shea

The Invention

Conjugated polymers composed of bi-pyridine units linked to 9,9-dialkyl fluorenyl-2,7-diyl units via imine linkages along the polymer backbone are provided. Also provided are semiconducting single-walled carbon nanotubes coated with the conjugated polymers and methods of sorting and separating s-SWCNTs from a sample comprising a mixture of s-SWCNTs and metallic single-walled carbon nanotubes using the conjugated polymers.

Additional Information

For More Information About the Inventors

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- Michael Arnold

Tech Fields

- Materials & Chemicals : Polymers
- Semiconductors & Integrated Circuits : Components & materials

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