

UNIDYM PATENT PORTFOLIO

August 11, 2008

FUNDAMENTAL COMPOSITIONS OF MATTER		
TYPE	TITLE	SERIAL #
US	Electrical Conductors Comprising Single Wall Carbon Nanotubes	6,969,504
US	Ropes of Single Wall Carbon Nanotubes	7,070,754
JP	Ropes of Single Wall Carbon Nanotubes	3958792
EP	Ropes of Single Wall Carbon Nanotubes	96931464.0-2111
US	Ropes of Single Wall Carbon Nanotubes and Compositions Thereof	7,338,915
US	Ropes Comprised of Single Wall Carbon Nanotubes and Double Wall Carbon Nanotubes	7,150,864
US	Fullerene Nanotube Compositions	7,390,477
US	Carbon Fibers Formed From Single Wall Carbon Nanotubes	6,683,783
US	Free-Standing and Aligned Carbon Nanotubes and Synthesis Thereof	6,863,942

SYNTHESIS		
TYPE	TITLE	SERIAL #
US	Electric Arc Process for Making Fullerenes	5,227,038
US	Method of Making Ropes of Single Wall Carbon Nanotubes	6,183,714
US	Process for Making Fullerenes by the Laser Evaporation of Carbor	5,300,203
US	Process for Making Fullerene Fibers	5,591,312
US	Solar Process for Making Fullerenes	5,556,517
US	Gas Phase Nucleation and Growth of Single Wall Carbon Nanotube from High Pressure CO	6,761,870
US	Single Wall Carbon Nanotubes from High Pressure CO	7,204,970
KR	Gas Phase Nucleation and Growth of Single Wall Carbon Nanotube from High Pressure CO	688138
US	Process Utilizing Pre-formed Cluster Catalysts for Making Single Wall Carbon Nanotubes	6,913,789
US	Process for Making Single Wall Carbon Nanotubes Utilizing Refractory Particles	7,138,100
US	Process Utilizing Seeds for Making Single Wall Carbon Nanotubes	7,052,668
US	Method for Growing Single Wall Carbon Nanotubes Utilizing Seed Molecules	6,949,237
US	Method for Growing Single Wall Carbon Nanotubes Utilizing Seed Molecules	6,756,025
US	Catalytic Growth of Single Wall Carbon Nanotubes from Metal Particles	6,692,717
US	Catalytic Growth of Single Wall Carbon Nanotubes and Double Wall Carbon Nanotubes from Metal Particles	7,125,534
US	Catalytic Growth of Single Wall Carbon Nanotubes and Double Wall Carbon Nanotubes from Metal Particles	7,201,887
EP	Catalytic Growth of Single-Wall Carbon Nanotubes from Metal Particles	99948270.6
US	Method for Making Single Wall Carbon Nanotubes Using Supported Catalysts	7,250,148
US	Method for Low Temperature Synthesis of Single Wall Carbon Nanotubes	7,338,648
US	Free-Standing and Aligned Carbon Nanotubes and Synthesis Thereof	6,863,942
US	Controlled Synthesis and Metal-Filling of Aligned Carbon Nanotubes	6,129,901

PURIFICATION		
TYPE	TITLE	SERIAL #
US	Method for Purification of As-Produced Single Wall Carbon Nanotubes	7,115,864
US	Method for Purification of As-Produced Fullerene Nanotubes	7,354,563
US	Method of Purification of As-Produced Single Wall Carbon Nanotubes	6,936,233
US	Process for Purifying Single Wall Carbon Nanotubes and Compositions Thereof	6,752,977
US	Gas-Phase Process for Purifying Single Wall Carbon Nanotubes and Compositions Thereof	7,090,819
US	Method of Purifying Nanotubes and Nanofibers Using Electromagnetic Radiation	7,014,737
US	Method for Separating Single Wall Carbon Nanotubes and Compositions Thereof	7,074,310
US	Method for Fractionating Single-Wall Carbon Nanotubes	7,357,906

DISPERSION / FUNCTIONALIZATION		
TYPE	TITLE	SERIAL #
US	Macroscopically Manipulable Nanoscale Devices Made from Nanotube Assemblies	7,048,903
US	Polymer-Wrapped Single Wall Carbon Nanotubes	7,008,563
US	Polymer-Wrapped Single Wall Carbon Nanotubes	7,264,876
US	Noncovalent Functionalization of Nanotubes	7,220,818
US	Chemical Derivatization of Single Wall Carbon Nanotubes to Facilitate Solvation Thereof, and Use of Derivatized Nanotubes	6,835,366
US	Chemical Derivatization of Single Wall Carbon Nanotubes to Facilitate Solvation Thereof, and Use of Derivatized Nanotubes to Form Catalyst-Containing Seed Materials for Use in Making Carbon Fibers	6,827,918
US	Chemically Modifying Single-Wall Carbon Nanotubes To Facilitate Dispersal in Solvents Chemically Modifying Single Wall Carbon Nanotubes	6,875,412
US	Chemical Derivatization of Single Wall Carbon Nanotubes to Facilitate Solvation Thereof, and Use of Derivatized Nanotubes to Form Catalyst-Containing Seed Materials for Use in Making Carbon Fibers	6,645,455
US	Methods of Chemically Derivatizing Single Wall Carbon Nanotubes	6,841,139
US	Nanoparticle Delivery System	7,195,780
US	Use of Buckysome or Carbon Nanotube for Drug Delivery	7,070,810
US	Fullerene Derivatives Methods of Preparing Them and Their Use	5,739,376
US	Multi-Substituted Fullerenes and Methods for Their Preparation and Characterization	6,162,926
US	Multiply-Substituted Fullerenes	6,399,785
US	Methods for the Preparation and Characterization of Multi-Substituted Fullerenes	6,448,412
US	Method of Synthesis of Water Soluble Fullerene Polyacids Using a Macrocyclic Malonate Reactant	6,538,153
US	Substituted Fullerene Compositions and Their Use as Antioxidants	7,163,956
US	Method for Cutting Nanotubes	7,008,604
US	Method for Cutting Single Wall Carbon Nanotubes	7,052,666
US	Method for Cutting Single Wall Carbon Nanotube Through Fluorination	7,029,646

DEVICES / SUB-COMPONENTS		
TYPE	TITLE	SERIAL #
US	Continuous Fiber of Single Wall Carbon Nanotubes	6,979,709
CA	Carbon Fibers Formed From Single Wall Carbon Nanotubes	2,283,502
EP	Carbon Fibers Formed From Single Wall Carbon Nanotubes	98911518.3
US	Continuous Fiber of Single Wall Carbon Nanotubes	7,097,820
US	Method for Growing Continuous Fiber	6,749,827
US	Method for Growing Continuous Carbon Fiber and Compositions Thereof	6,756,026
US	Macroscopic Fiber Comprising Single Wall Carbon Nanotubes and Acrylonitrile-based Polymer and Process for Making the Same	6,852,410
US	Fibers of Aligned Single Wall Carbon Nanotubes and Processes for Making the Same	7,125,502
EP	Fibers of Aligned Single Wall Carbon Nanotubes and Processes for Making the Same	1404908
US	Method of Forming Carbon Fibers	6,890,506
US	Single Wall Carbon Nanotube Film Having High Modulus and Conductivity and Process for Making the Same	7,192,642
US	Method of Producing Composites of Single Wall Carbon Nanotubes and Compositions Thereof	7,105,596
US	Macroscopic Ordered Assembly of Carbon Nanotubes	6,790,425
US	Compositions Comprising Rigid-Rod Polymers and Carbon Nanotubes and Process for Making the Same	6,900,264
US	Composite Materials Comprising Polar Polymers and Single Wall Carbon Nanotubes	6,936,653
JP	Composite Materials Comprising Polar Polymers and Single Wall Carbon Nanotubes	3962376
EP	Conductive Carbon Nanotube Polymer Composites	1623437
US	Spheroidal Aggregates Comprising Single Wall Carbon Nanotubes and Method for Making the Same	7,135,160
US	Entangled Single Wall Carbon Nanotube Solid Material and Methods for Making the Same	6,899,945
US	Method For Manufacturing Single Wall Carbon Nanotube Tips	11/045,240
US	Array of Single Wall Carbon Nanotubes	7,071,406
US	Method for forming an array of Single Wall Carbon Nanotubes in an Electric Field and Compositions Thereof	7,087,207
US	Method of Forming an Array of Single Wall Carbon Nanotubes and Compositions Thereof	7,067,098
US	Membrane Comprising an Array of Single Wall Carbon Nanotubes	7,205,069
US	Method for Forming a Patterned Array of Single Wall Carbon Nanotubes	7,108,841
US	Method for Producing a Catalyst Support and Compositions Thereof	7,041,620
US	Method for Producing a Catalyst Support and Compositions Thereof	7,390,767
US	Method for Producing a Catalyst Support	6,824,755
US	Method for Forming Composites of Sub-Arrays of Single Wall Carbon Nanotubes	6,986,876
US	Method of Forming Composite Arrays of Single Wall Carbon Nanotubes and Compositions Thereof	6,939,525
US	Nanoengineered Thermal Materials Based on Carbon Nanotube Array Composites	7,273,095
US	An Apparatus and Test Device Thereof for the Application of Prescribed, Predicted and Controlled Contact Pressure on Wire	7,279,916
US	System and Method Using Self-Assembled Nano Structures in the Design and Fabrication of an Integrated Circuit Micro-Cooler	7,109,581
US	Method of Producing Self-Assembled Objects Comprising Single Wall Carbon Nanotubes and Compositions Thereof	7,048,999
US	Supercapacitor Having Electrode Material Comprising Single Wall Carbon Nanotubes and Process for Making the Same	7,061,749
US	Halogen Containing-Polymer Nanocomposite Compositions, Methods, and Products Employing Such Compositions	7,265,174