

Patents Granted from March 1, 1999, to February 29, 2000 (in order of presentation):

Note: * Denotes Inventors Club Inductees

- Patent No. 5,884,245—*Discriminate Reduction Data Acquisition*, **Larry Chandler** (retired).
- Patent No. 5,885,007—*Adjustable Bearing System with Selectively Optimized Installational Clearances*, **Gus Plangetis** (843).
- Patent No. 5,951,170—*Tapered Resilient Sleeve Bearing Assembly*, **Gus Plangetis** (843).
- Patent No. 5,886,661—*Submerged Object Detection and Classification System*, **Richard Harrison** (retired) and **John Scarzello** (854).
- Patent No. 5,887,983—*Bearing Assembly for Radar Mast*, **Paul Gulian*** (9633), **Thomas Perotti*** (9601), and **Mark Stusnick*** (9633).
- Patent No. 5,887,858—*Passive-Active Mount*, **Jen-Houne Hannsen Su*** (725).
- Patent No. 5,899,443—*Passive-Active Vibration Isolation*, **Jen-Houne Hannsen Su** (725).
- Patent No. 5,890,101—*Neural Network Based Method for Estimating Helicopter Low Airspeed*, **Carl Schaefer, Jr.** (NAVAIR-PAX River) **Kelly McCool** (former employee), and **David Haas** (5300).
- Patent No. 5,901,272—*Neural Network Based Helicopter Low Airspeed Indicator*, **Carl Schaefer, Jr.** (NAVAIR-PAX River), **Kelly McCool** (former employee), and **David Haas** (5300).
- Patent No. 5,987,397—*Neural Network System for Estimation of Helicopter Gross Weight and Center of Gravity Location*, **Kelly McCool** (former employee) and **David Haas** (5300).
- Patent No. 5,894,066—*Boron Carbide/ Silicon Carbide Ceramics*, **Inna Talmy** (681) and **James Zaykoski** (681).
- Patent No. 5,994,610—*Method of Suppressing Thermite Reactions in Plasma Arc Waste Destruction System*, **Inna Talmy** (681), **James Zaykoski** (681), **Curtis Martin** (681), and **Jon Cofield** (634).
- Patent No. 5,902,953—*Miniature, Low Power, Electromechanical Safety and Arming Device*, **Daniel Lenko** (854) and **Thomas Frederick** (Indian Head Division).
- Patent No. 5,904,977—*Electroset Composite Articles and Process*, **Ronald Reitz** (843).
- Patent No. 5,945,036—*Dual Energy Dependent Fluids*, **Ronald Reitz** (843).
- Patent No. 5,938,978—*Intermittent Programming of Electrosettable Compositions*, **Ronald Reitz** (843), **Charles Singer, Jr.** (former employee), and **Vincent Manley*** (retired).
- Patent No. 5,911,405—*Multi-ported Diverter Valve Assembly*, **Joseph Korczynski, Jr.** (642) and **Patrick Conroy** (823).
- Patent No. 5,922,435—*Ceramic Polymer Composite Dielectric Material*, **John Lee*** (681), **Gilbert Lee*** (681), **Bruce Hartmann*** (681), **Harold Wendt** (Dahlgren Division), and **John Richardson, Jr.** (Dahlgren Division).
- Patent No. 5,936,025—*Ceramic Polymer Composite Dielectric Material*, **John Lee*** (681), **Gilbert Lee*** (681), **Bruce Hartmann*** (681), **Harold Wendt** (Dahlgren Division), and **John Richardson, Jr.** (Dahlgren Division).
- Patent No. 5,932,091—*Oily Waste Water Treatment System*, **Kevin Tompkins*** (2530), **Jerome Stefanko** (contractor), **Brian Owsenek** (contractor), **Lawrence Tomlinson*** (633), and **Joseph Gavin*** (822).
- Patent No. 5,941,744—*Vectored Propulsion System for Sea-Going Vessels*, **William Levedahl** (81).
- Patent No. 5,958,229—*Electrolytic Disinfectant System*, **George Filiopoulos*** (632) and **Thomas Wenzel*** (642).
- Patent No. 5,960,026—*Organic Waste Disposal System*, **Eugene Nolting*** (6302), **Jon Cofield*** (634), **Roy Richard** (contractor), and **Steven Peterson** (contractor).
- Patent No. 5,965,199—*Corrosion-Resistant Coating Prepared by the Thermal Decomposition of Lithium Permanganate*, **William Ferrando** (681).
- Patent No. 5,970,899—*Diagonal Hatch System for Ships*, **Robert Michaelson** (651) and **Jerome Sikora** (651).
- Patent No. 5,990,679—*Method Using Corrective Factors for Determining a Magnetic Gradient*, **Stephen Frommer*** (854) and **Barry Penfold** (former employee).
- Patent No. 6,008,641—*Method Using Corrective Factors for Aligning a Magnetic Gradiometer*, **Barry Penfold** (former employee) and **Stephen Frommer** (854).

- Patent No. 6,000,851—*Adjustable Electric Motor Bearing System*, **Edward Cohen** (former employee) and **John Purnell** (5400).
- Patent No. 6,001,237—*Electrochemical Fabrication of Capacitors*, **Azzam Mansour*** (683) and **Carlos Melendres** (contractor).
- Patent No. 5,886,283—*Desensitized Firing Circuit*, **Thomas Crilly** (former employee), **Leonard Haynes** (former employee), and **Charles Rowzee** (former employee).
- Patent No. 5,886,284—*Missile Safety System for Assuring Minimum Safe Distance*, **Albert Will** (former employee) and **Robert Wilson** (former employee).
- Patent No. 5,886,285—*Variable Range Timber Impact Safety System*, **Albert Will** (former employee) and **Robert Wilson** (former employee).
- Patent No. 5,886,286—*Monitoring Safety System*, **Albert Will** (former employee) and **Robert Wilson** (former employee).
- Patent No. 5,886,287—*Guidance Information Analyzer*, **Albert Will** (former employee), **Robert Wilson** (former employee), and **George Fortin** (former employee).
- Patent No. 5,886,339—*Missile Attitude Safing System*, **Robert Wilson** (former employee).
- Patent No. 5,894,000—*Electro-Rheological Fluid Composition Having Polymeric Sponge Particulates*, **Luke Loy** (former employee).
- Patent No. 5,942,206—*Concentration of Isotopic Hydrogen by Temperature Gradient Effect in Soluble Metal*, **Han Uhm** (682) and **Woodrow Lee** (former employee).
- Patent No. 5,949,835—*Steady-State, High Dose Neutron Generation and Concentration Apparatus and Method for Deuterium Atoms*—**Han Uhm** (682) and **Woodrow Lee** (former employee).
- Patent No. 5,967,012—*Waste Aerosol Container Processor*, **David Dummer** (former employee), **Jack McCrea** (contractor), and **Roy Maloney** (contractor).
- Patent No. 5,998,874—*Ultrahigh Density Charge Transfer Device*, **Carmen Huber** (former employee), **Tito Huber** (contractor), and **Nicholas Caviris** (Dahlgren Division).

Patent Applications Filed from March 1, 1999, to February 29, 2000

- 79,127—*Standing Wave Magnetometer*, **John Holmes** (854) and **John Scarzello** (854).
- 79,069—*Synthesis of Metal Matrix Composite*, **Amarnath Divecha** (681).
- 79,650—*Programmed Computation of Predicted Loading of Ship Hulls*, **Robert Michaelson** (651) and **Jerome Sikora** (651).
- 79,729—*Dynamic Notched Round Bar Grips*, **Michael McLaughlin** (614).
- 79,666—*Removable Submarine Sensor in an Elastomer Coating*, **Edward Leibolt** (725).
- 79,583—*System for Simulation of Underwater Explosion Pressure Fields*, **Joseph Clark** (734), **Joel Gaspin** (Indian Head Division), **Paul Moore** (734), and **Jane Young** (725).
- 79,345—*Patterning Antibodies on a Surface*, **Robert Brizzolara** (684).
- 79,749—*Bouyantly Propelled Submerged Air Vehicle Launch Canister*, **Edward Leibolt** (725).
- 79,779—*Rudder Tab for Suppression of Tip Vortex Cavitation*, **Scott Gowing** (5400).
- 79,768—*Test Machine for Simulation of Shock Wave Induced Motion*, **Eric Hansen** (663).
- 77,732—*Fabrication of Metal-Matrix Composites*, **Amarnath Divecha** (681), **Subhash Karmarkar** (681), **James Kerr** (681), **William Ferrando** (681), **Scott Hoover** (681), and **William May** (contractor).
- 79,723—*Process for Synthesizing Composite Material Components with Curved Surfaces*, **Dennis Zadra** (642), **Deborah Houghton** (642), and **Vincent Castelli** (6401).
- 82,066—*Magnetostrictive Magnetically Controlled Sprag Locking Motor*, **John Vranish** (NASA/Goddard) and **Joseph Teter** (684).
- 79,245—*Tailorable Elastomeric Composite Pneumatic Fender System for Absorbing High Energy Impact and Manufacture Thereof*, **Kerry Slatter** (contractor), **Robert Crane** (6552), **Kathleen Corona-Bittick** (contractor), and **Donald Dorr** (contractor).
- 77,620—*Fabrication of Tile Reinforced Composite Armor Casting*, **Subhash Karmarkar** (681), **Amarnath Divecha** (681), **William Bruchey** (Army), **Gerald Bulmash** (Army), **James Kerr** (0074), and **William Ferrando** (681).
- 79,767—*Suppression of Acoustic Cavity Resonance Induced by Fluid Flow*—**Paul Zoccola, Jr.** (725).

- 82,099—*Protective Shrouding with Debris Diverting Inflow Vanes for Pump-Jet Propulsion Unit*, **John Purnell** (5400) and **Alan Becnel** (5400).
- 82,084—*Skidplate Having Non-Symmetrical Hydrofoil Profiles Producing Skid-Opposing Side Force Only During Turn Maneuver*, **Young Shen** (5400) and **Frank Peterson** (5400).
- 79,738—*Visual-Tactile Signage*, **Eugene Fischer** (64), **Dale Sowell** (643), **John Wehrle** (643), and **Albert Holder** (641).
- 79,690—*Neural Network System for Estimation of Aircraft Flight Data*, **Kelly McCool** (former employee) and **David Haas** (5300).
- 79,594—*Steering and Backing Systems for Water-Jet Craft with Underwater Discharge*, **Young Shen** (5400), **Frank Peterson** (5400), and **Scott Gowing** (5400).
- 82,126—*Shipboard Paint Dispensing System*, **Rimi Rivera** (NAVAIR), **James McDonnell** (642), **Drew Jackson** (632), **Stephan Verosto Jr.** (632), **Steven Stetz** (632), **David Barnes** (36133), and **Michael Murnane** (812).
- 82,054—*Integrated Liquid Discharge System*, **Stuart Brown** (633).
- 79,614—*Ultra Low Carbon Bainitic Weathering Steel and Method of Manufacture*, **Erich Focht** (614).
- 82,106—*Permanent Bonding of Corrosion Resisting Metallic Parts by Sealant Attachment*, **John Wehrle** (643) and **Albert Holder** (641).
- 82,110—*Corrective Adjustment of Propeller Blade Surfaces*, **Jonathan Gershfeld** (7250), **Benjamin Chen** (5400), **Stephen Neely** (5400), and **Cheng Yang** (5400).
- 79,725—*Active Airflow Control for Infrared Signature Suppression*, **William Bird** (72), **Robin Imber** (5300), **Ernest Rogers** (5300), **Kenneth Reader** (5300), and **Raymond Ratcliffe** (723).
- 82,156—*Attachment of Equipment to Composite Sandwich Core Structures*, **Aleksander Macander** (6551), **Erik Rasmussen** (6552), and **Milton Critchfield** (655).
- 82,114—*Fluid-Cooled Heat Sink with Turbulence-Enhancing Support Pins*, **Michael Cannell** (811), **Roger Cooley** (814), **Richard Garman** (contractor), **Geoffrey Green** (812), **Peter Harrison** (contractor), and **Joseph Walters** (812).
- 79,671—*Electromagnetic Sea Mine Detonation System*, **David Pickett** (5300).
- 82,193—*Multiassay Method for Determining the Concentrations of Antigens and Interferants*, **Robert Brizzolara** (684).
- 82,194—*Multiassay Method for Determining the Concentrations of Antigens and Interferants*, **Robert Brizzolara** (684).
- 79,635—*Non-Stationary/Transient Signal Feature Extraction System*, **Dale Groutage** (734).
- 79,547—*Neural Network System for Estimating Conditions on Submerged Surfaces of Seawater Vessels*, **Thang Nguyen** (5600).