

# PANITCH Intellectual Property Law SCHWARZE

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## Richard A. Woldin, Ph.D. Associate

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Richard A. Woldin's practice focuses on the prosecution and litigation of patents in the electrical and mechanical technological arts.

Prior to joining Panitch Schwarze Belisario & Nadel LLP, Dr. Woldin was an associate at Akin Gump Strauss Hauer & Feld, LLP. Before joining Akin Gump, Dr. Woldin was a judicial clerk and the deputy clerk to the Honorable Bruce W. Kauffman of the U.S. District Court for the Eastern District of Pennsylvania. Before commencing his federal clerkship, he was a sole practitioner in Philadelphia. For more than a decade, Dr. Woldin held senior positions at the Lockheed Missiles and Space Company, including chief scientist, Astronautical Division Engineering, and director of engineering and technology, Advanced Marine Systems. He was a senior research engineer in mechanical systems and a technical advisor at the United States Steel Corporation.

Dr. Woldin also was an American Society of Mechanical Engineers Congressional Fellow assigned to the U.S. Senate Committee on Energy and Natural Resources. As a member of the committee staff, he drafted the Ocean Thermal Energy Conversion Research, Development and Demonstration Act, which was enacted into Public Law 96-310.

Dr. Woldin received his B.A. in biology and his B.S. in mechanical engineering, his M.S. in mechanical engineering in 1970 and his Ph.D. in mechanical engineering in 1975 from the University of Pennsylvania. He received his J.D. in 1994 from the Temple University School of Law.

Dr. Woldin is a member of the Pennsylvania Bar and is registered to practice before the United States Patent and Trademark Office.

### Practice Areas

- IP Litigation
- Patents

### Education

- University of Pennsylvania, BA, Biology; BS, Mechanical Engineering
- Temple University, Juris Doctor
- University of Pennsylvania, MS, PHD, Mechanical Engineering

### Bar Admissions

- Pennsylvania Bar Association

### Memberships

- Pennsylvania Bar Association
- United States Patent and Trademark Office

### EDUCATION

## Curriculum Vitae

Doctor of Law **TEMPLE UNIVERSITY SCHOOL OF LAW**, Philadelphia, PA.  
J.D., 1994

Award - Harry R. Kozart Memorial Prize

**UNIVERSITY OF PENNSYLVANIA**, Philadelphia, PA.

Doctor of Philosophy Theoretical Physics

Ph.D. in Mechanical Engineering, 1975

Dissertation - Three-Dimensional Surface Effects in Field Emission

Award - National Center for Energy Management and Power Fellowship

Master of Science

M.S. in Mechanical Engineering, 1970

Award - Ford Foundation Graduate Fellowship

Bachelors of Arts and Science

B.S. in Mechanical Engineering, 1969

B.A. in Biology, 1968

Post Graduate **LOCKHEED CORPORATION**, Santa Clara, CA., 1985

Lockheed Technical Management Institute

**DEFENSE SYSTEMS MANAGEMENT COLLEGE**, Ft. Belvoir, VA., 1982

Program Management Course - Major Weapon Systems Acquisition

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, Boston, MA., 1976

Seminar - Advances in Finite Element Methods

### EMPLOYMENT SUMMARY

**PANITCH, SCHWARZE, BELISARIO & NADEL, LLP**

2008 - Present Associate - Patent Prosecution and Litigation

**AKIN, GUMP, STRAUSS, HAUER & FELD, LLP**

2000 - 2007 Associate - Patent Prosecution and Litigation

**UNITED STATES DISTRICT COURT (E.D. PA.)**

1998 - 2000 Law Clerk and Deputy Clerk for the Honorable Bruce W. Kauffman

### PERSONAL COUNSEL

1996 - 1998 Professional Liability Defense

**MARGOLIS, EDELSTEIN & SCHERLIS**

Philadelphia, PA.

1994 - 1995 Associate - Product and Professional Liability Defense

1992 - 1994 Law Clerk - Product Liability Defense

### LOCKHEED CORPORATION

Lockheed Missiles & Space Co., Sunnyvale, CA.

1980 - 1991 Technical Leadership Positions

- Consultant - Astronautics Division Engineering
- Chief Scientist - Astronautics Division Engineering
- Director - Engineering and Technology, Advanced Marine Systems
- Director - Marine Products
- Senior Staff Engineer - Talon Gold Program
- Program Manager - Ocean Energy Systems

## **UNITED STATES SENATE**

Washington, D.C.

1979 - 1980 Congressional Fellow

- Committee on Energy and Natural Resources
- Subcommittee on Energy Research and Development

## **UNITED STATES STEEL CORPORATION**

Research Laboratory, Monroeville, PA.

1977 - 1978 Technology Research and Development Positions

- Test Coordinator and Technical Advisor - Ocean Mining
- Senior Research Engineer and Group Leader - Metal Processing
- Assistant Coordinator - Tire-Cord Task Force
- Research Engineer - Mechanical Systems

## **FUNCTIONAL EXPERTISE**

### **LAW**

Intellectual Property

- Patent Prosecution – Mechanical, electrical and electro-optical arts
- Patent Litigation - Comprehensive knowledge of broad spectrum of litigation issues;
- Patent Studies - Comprehensive knowledge of claim construction including preparation of attorney briefs and judicial opinions

Federal Government

- Thorough knowledge of legislative process
- Comprehensive understanding of contracting practices Tort
- Specific knowledge of product and professional liability law

### **TECHNOLOGY**

- Expertise in smoke-stack, marine, and aerospace technologies
- Alternative Energy - Solar energy; Industrial energy conservation
- Electro-chemistry - Electro-plating; Chem-absorption
- Electro-optics - Fiber-optic marine cables; Space-based laser acquisition, tracking, and pointing
- Life Support - NASA Space Station Life Sciences Laboratory; Man-rated, deep-submergence vehicles
- Material Science - Diamond and sintered carbide crystallography
- Mechanical Engineering - Machine design and control
- Ocean Engineering - Deep-ocean, manganese-nodule mining
- Robotics - Autonomous underwater vehicle development
- Stereoscopy – Three-dimensional television

Dr. Woldin enjoys hitting the slopes to ski whenever time allows.

## Get To Know