

YOUNG BASILE



Justin T. Darrow, PhD

Senior Counsel

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Practice Areas

Patent

Industries

Electronics & Semiconductors,
Information Technology,
Telecommunications

Admissions

Virginia, New Jersey, and the
District of Columbia

U.S. Patent and Trademark
Office

U.S. Supreme Court, Federal
Circuit, and three U.S. District
Courts

Education

Columbia University, Ph.D.,
Applied Physics; B.A., Physics,
magna cum laude

Georgetown University Law
Center, J.D.

The University of Chicago, M.S.,
Physics

Dr. Darrow is a registered patent attorney with extensive experience in patent prosecution, counseling, and litigation support. His practice covers patent preparation and prosecution, including *ex parte* appeals, reissue applications, and reexamination, along with client counseling, freedom-to-operate and invalidity opinions, invention mining, and portfolio management.

He works across cybersecurity and cryptography, artificial intelligence and machine learning, optical and wireless communications, image processing, and nonlinear and quantum optics.

Before entering patent law, Dr. Darrow spent more than a decade in laser systems research, including high-speed device characterization, terahertz radiation, radar, optical communications, and defensive mid-infrared countermeasures.

Government Service

Dr. Darrow served as a patent attorney at the Patent Trial and Appeal Board, deciding *ex parte* appeals across all electrical technologies, and as a primary patent examiner in computer security and cryptography at the United States Patent and Trademark Office.

Representative Experience

Network and system authentication, public key infrastructures, digital rights management, payment systems, biometrics, zero-knowledge proofs, and cryptanalysis. Symmetric and public key algorithms, post-quantum cryptography, and quantum cryptography. Computer vision, image processing, sensors and displays, video compression, wireless and optical communications, laser systems, semiconductors, and medical devices.

Professional Activities

Member, Institute of Electrical and Electronics Engineers (IEEE) and American Intellectual Property Law Association (AIPLA).