



## Ronald R. Demsher

Principal

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HAMILTON  
BROOK SMITH  
REYNOLDS

Intellectual Property Law

### PRACTICE AREAS

- Patents
- Counseling
- Trade Secrets
- Trademarks
- IP Litigation
- Post-Grant Proceedings
- Licensing
- Agreements
- Trademark Opposition and Cancellation Proceedings
- Open Source Software Counseling
- IP Intelligence and Audits

### TECHNOLOGY AREAS

- Electrical Engineering
- Telecommunications
- Internet of Things
- Semiconductors
- Network Infrastructure
- Mobile
- Computer Hardware
- Blockchain
- Computer Software
- Optics and Photonics
- Medical Devices
- Medical Imaging
- Business Methods
- Robotics
- Mechanical Engineering
- Autonomous Vehicles
- Artificial Intelligence
- Energy Storage

Ron has substantial experience in all phases of patent prosecution, as well as experience in patent litigation, due diligence, and opinion work. He has an extensive background in the legal industry with several Boston law firms. Ron's practice focuses on technical areas such as:

- Electrical devices and systems – Internet of Things (IoT), Storage Area Networks (SAN), network infrastructure, wireless/mobile communications, antennas, satellite communications, microdisplay systems, optical networks and devices, telephony/ telecommunication networks and systems, computer hardware and software, and robotics. Examples include a head-mounted computing and display device, a wireless, integrated medication reminder system, and a mobile satellite tracking antenna system.
- Software and firmware – automatic speech recognition (ASR), 3D modeling, PCB testing, computer code analysis/validation, communications security/encryption, blockchain systems, and business methods. Examples include a collaborative 3D model design system and an encryption key management system.
- Other technologies – Semiconductors, video/surveillance systems, medical devices, medical imaging, digital healthcare, energy storage devices, audio speaker systems, sensor/control systems, autonomous vehicle systems and components, mechanical systems.

Ron guides clients, from startups to well-established companies, to develop strategies and to craft creative solutions to problems. Ron works with emerging companies to develop customized frameworks for intellectual property protection, and to develop a practical plan for securing the necessary protection.

Ron's litigation experience spans many aspects of litigation, from the initial identification of patents for assertion, through trial. He conducted prior art searches and analyses to develop invalidity positions. He participated in claim construction analyses and Markman hearings, conducted inventor depositions, selected subject matter experts and worked with those experts to develop Expert Reports. This litigation experience gives Ron valuable insight into what makes a patent claim strong enough to survive a litigation challenge.

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## EDUCATION

- Ohio University, B.S. in Electrical Engineering, cum laude
- University of Massachusetts at Amherst, M.S. in Electrical Engineering concentration in microwave propagation
- Suffolk University Law School, J.D., cum laude

## PROFESSIONAL ASSOCIATIONS

- MIT Enterprise Forum of Cambridge - Internet of Things Committee
- Boston Intellectual Property Law Association

## BAR ADMISSIONS

- U.S. District Court, District of Massachusetts
- U.S. Patent and Trademark Office
- Massachusetts

## CERTIFICATIONS

- Black Duck Certified Open Source Legal Professional

Prior to practicing law, Ron was an electrical engineer at Raytheon for 14 years, designing and developing commercial and military communications systems. Ron's Raytheon experience in digital and RF design includes spread spectrum communications, cryptographic systems, high-accuracy frequency reference and chronometer systems, and high-speed electrical interfaces. His system design experience includes wideband HF systems, microwave systems ranging from 1 to 20 GHz, and a millimeter-wave (93 GHz) IFF system.

## SPEAKING ENGAGEMENTS

- "Patenting Strategies for Entrepreneurs," UMass Lowell Innovation Hub, October 4, 2022
- "Intellectual Property Considerations for Protecting Your Company's Innovations" MIT Enterprise Forum, Cambridge Innovation Center, September 14, 2017
- "Protecting Intellectual Property," Smaller Business Association of New England, Waltham, MA, September 29, 2016