



DANIEL H. BROADDUS, PH.D. ASSOCIATE

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EDUCATION

J.D.,
Illinois Institute of Technology, Chicago-Kent College of Law, 2018
Ph.D., Applied and Engineering Physics with Electrical and Computer
Engineering
Cornell University, 2010
M.S., Applied and Engineering Physics with Electrical and Computer
Engineering
Cornell University, 2009
B.A., Physics
Princeton University, 2004

BAR ADMISSIONS

Illinois
U.S. Patent & Trademark Office

Daniel Broaddus works with clients on patent preparation and prosecution for technologies involving analog and integrated circuits, as well as cloud computing and the Internet of Things. He has worked with leading developers and manufacturers of mobile phones, network infrastructure backbones, wireless technologies, and consumer electronics. From amplifiers and antennas to signal processing and video compression, Daniel helps protect innovations that drive success in the marketplace.

With a doctorate in Applied & Engineering Physics from Cornell, Daniel can directly relate to inventors. He speaks their language, understands the core technology, and asks inventors precise and informed questions that ultimately translate their work into effective patent applications. Similarly, Daniel's strong grasp of technical details allows him to work with patent examiners to identify paths to allowability that meet his clients' goals.

Daniel's practice is always forward-looking. Writing an effective patent involves keeping in mind where technology is likely to go in the future, and how it will evolve. Daniel's educational background and technical experience allow him to anticipate the competitive landscape, and help his clients protect their valuable innovations for as long as possible.

EXPERIENCE | OVERVIEW

- Helped a client secure patent protection for co-existence technologies for wireless innovations.
- Drafted patents protecting a client's video compression technology that will become the industry standard for the next generation of content-streaming services.
- Secured patents for industry standards involving Bluetooth, Wi-Fi, and LTE technologies.
- Assisted a leading company in patenting beam-forming systems for WiGig technology that facilitates high-speed wireless connections between computers and peripherals.

EXPERIENCE | LEGAL

- **Brinks Gilson & Lione**
June 2013-Present

Biographies | Daniel H. Broaddus, Ph.D.

- **Gazdzinski & Associates**
Patent Agent, 2011-2013

EXPERIENCE | NON-LEGAL

- **Edanz Group China**
Chief Physics Editor, 2010-2011
- **Cornell Center for Nanoscale Systems**
Graduate Research Assistant, 2004-2010
- **Princeton Plasma Physics Laboratory**
Research Intern, 2003-2004

PRACTICE GROUP

Patent Prosecution

FORWARD THINKING

Presentations

- "How to unlock your journal's full potential," Invited Talk, Journal Internationalization, Chinese Society for Theoretical and Applied Mechanics, December 22, 2010
- "How to write a manuscript: Tips for publication success," Invited Talk, American Institute of Physics Session, Chinese Physical Society Annual Meeting, September 17, 2010
- "Ultrafast, Single-Shot Phase and Amplitude Measurement via a Temporal Imaging Approach," Conference on Lasers and Electro-Optics, Optical Society of America, May 16, 2010
- "Temporal Imaging System with Simple External Clock Synchronization," Conference on Lasers and Electro-Optics, Optical Society of America, May 31, 2009
- "Silicon-coupled, high-Q chalcogenide microspheres," Frontiers in Optics, Optical Society of America, October 19, 2008

HONORS

- Frontiers in Optics Student Presentation Award, 2008
- Colman Family Fellowship, 2005-2006
- Cornell University Graduate School Fellowship, 2004-2005
- National Achievement Scholar, 2000-2004

TECHNICAL BACKGROUND

- Analog Electronics
- Business Methods
- Digital Electronics
- Semiconductors
- Signal Processing
- Software