Alexander Adam, Ph.D.

SHAREHOLDER PRINCIPAL

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HAMILTON BROOK SMITH REYNOLDS

PRACTICE AREAS

- Patents
- Counseling
- Trademarks
- Licensing
- Agreements
- Open Source Software Counseling
- Trademark Opposition and Cancellation Proceedings
- Copyrights
- Design Patents
- IP Intelligence and Audits
- IP Diligence

TECHNOLOGIES

- Medical Devices
- Medical Imaging
- Robotics
- Mechanical Engineering
- Electrical Engineering
- Artificial Intelligence
- Biotechnology and Life Sciences
- Bioinformatics
- Mobile
- Telecommunications
- Computer Software
- Clean Technology
- Optics and Photonics
- 3D Printing

Alexander Adam is a highly experienced patent attorney and former scientist who advises clients on protecting and commercializing cutting-edge technologies across medical devices, biotechnology, life sciences, computer systems, electronics, imaging software, control systems, mechanical devices, telecommunications, and clean energy.
Alex focuses his practice on drafting and prosecuting complex patent applications and developing strategic intellectual property portfolios aligned with clients' business objectives. He also has experience in trademark opposition and cancellation proceedings, patent litigation, due diligence, and preparing invalidity and non-infringement opinions. For more than a decade, Alex has represented major research universities, emerging growth companies, and established small and medium-sized businesses, earning a reputation for translating sophisticated technologies into durable, enforceable, and commercially meaningful IP assets.

Alex's work and client service have been recognized by leading legal directories and peer-reviewed publications, including, The Best Lawyers in America, Super Lawyers, and LMG Life Sciences, reflecting consistent recognition over the past two years for excellence in patent prosecution and IP strategy.

His patent experience spans a wide range of advanced technologies, including semiconductor manufacturing; laboratory devices for the pharmaceutical industry; 3-D modeling and imaging software for surgical planning; computer-controlled prosthetic devices; automatic speech recognition systems; needle-free injection technologies; fuel cells; drug infusion pumps; wearable and implantable sensors; fiber optics and photonic sensors; augmented reality systems; microfluidics and diagnostics; medical implants; and nanomaterials. Alex also regularly advises on artificial intelligence–enabled technologies, including neural networks, machine learning, natural language processing, and Internet of Things (IoT) platforms.

EDUCATION

- Boston University, B.S. in Biomedical Engineering, *summa cum laude*
- Boston University, M.S. in Biomedical Engineering
- Boston University, Ph.D. in Biomedical Engineering
- Suffolk University Law School, J.D.

PROFESSIONAL ASSOCIATIONS

- Boston Intellectual Property Law Association
- German-American Business Council of Boston, Serving on their Board of Directors
- IEEE Engineering in Medicine and Biology Society
- New England Section of Optica
- Medical Development Group of Boston, Participating in the Programs Committee

In addition, Alex counsels clients on open source software compliance, open source patent issues, and corporate policies governing the use of open source software—an increasingly critical area for software-driven, AI-enabled, and regulated products.

Alex leverages his technical background and legal experience to advise clients on high-value strategic matters, including IP portfolio evaluation for investors, patentability and freedom-to-operate analyses, non-infringement and invalidity opinions, portfolio management, licensing and collaboration agreements, competitive IP intelligence, and merger and acquisition due diligence.

Alex is an active contributor to the innovation ecosystem. He is a member of the Medical Development Group of Boston (MDG) and the German-American Business Council of Boston (GABC), where he has served on the Board of Directors since 2021 and as Secretary since 2023. He is a frequent speaker and event co-organizer and has recently presented on 3D Printing for Medical Innovations, Patenting Strategies for Entrepreneurs, Artificial Intelligence in Medicine, Software as a Medical Device (SaMD), Optics and Photonics in Healthcare, and Strategies for Medical Device Startups.

REPRESENTATIVE EXPERIENCE

- Prosecuted a large portfolio of patent applications for a major university in the drug delivery space.
- Prosecuted a significant portfolio of patent applications for an additive manufacturing startup company.
- Developed and expanded a major portfolio of patent applications for a medical implant startup company.
- Conducted due diligence of a medical device patent portfolio for an acquisition by a major private investment company.
- Successfully represented a food manufacturer in a trademark cancellation proceeding.
- Conducted trademark clearance for a public gene therapy company.

IP NEWS ALERTS

- USPTO Delays the Planned Non-DOCX Filing Surcharge Fee Yet Again, March 31, 2023
- April 2023 Brings Changes in Form and Format at the USPTO, March 23, 2023

ADMISSIONS

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

CERTIFICATIONS

- Black Duck Certified Open Source Legal Professional

ARTICLES

- Rehabilitation Robotics and Prosthetics: Trends and Intellectual Property Considerations, *Medical Design Briefs*, March 1, 2018
- Intellectual Property: How Medtech Startups Can Protect It, *Medical Design & Outsourcing*, August 7, 2017
- Lesson Learned: Contrasting the Canadian and European Patent Experiences with Key AIA Provisions, *Boston Patent Law Association Newsletter*, Spring 2012
- Significant Changes in European and Chinese Patent Law: What You Need to Know, November 2009
- "Technology Transfer to Combat Climate Change: Opportunities and Obligations Under TRIPS and Kyoto" 9 J. HIGH TECH. L. 1 (2009).

SPEAKING ENGAGEMENTS

- "Patenting Strategies for Entrepreneurs," Speaker, MDG Boston, April 8, 2025
- "3D Printing for Medical Innovations," Moderator, Medical Development Group of Boston, March 25, 2025
- "Patenting Strategies for Entrepreneurs," Speaker, UMass Lowell Innovation Hub, January 15, 2025
- "Savvy Patenting Strategies for Entrepreneurs," MDG Online Forum, November 15, 2023
- "Partnerships for Health: Stories from the Diagnostics and Medtech Space," German-American Business Council Event, Moderator, November 8, 2023
- "Startup Funding for Medical and Healthcare Innovations," Medical Development Group of Boston Forum, Moderator, October 12, 2023
- "Medical Device Development: Advancing from Product to Market," presented during the four week hybrid course that examined the current climate for the development of medical devices, Harvard Catalyst, April 1-May 1, 2023

SPEAKING ENGAGEMENTS (CONTINUED)

- "Patenting Strategies for Entrepreneurs," UMass Lowell Innovation Hub, October 4, 2022
- "TRANSforming Care with Emerging, Novel Devices (TRANSCEND)," presented during the four week hybrid course that explored the current climate for medical device development, Harvard Catalyst,
  April 1-May 1, 2022
- "Artificial Intelligence in Medicine – Promise Becoming Practice," MDG Online Forum, January 19, 2022
- "Strategic Focus on Innovation Protection and Rights Enforcement," German American Business Council of Boston, May 19, 2021
- "Orthopedic and Sports Rehabilitation - Game Changing Innovations," MDG Online Forum, December 2, 2020
- "Once Upon a Time in …Medical Device and Open Source Land," MIT Enterprise Forum, Webinar, October 14, 2020
- "Software as a Medical Device (SaMD)," MDG Forum, January 8, 2020
- "Bionics and Exoskeletons - Advances in Technology and Current Unmet Needs for Prosthetics," MDG Forum, Weston, MA, January 16, 2019
- "Suffolk University's Journal of High Technology Law Alumni Panel," Suffolk University Law School, Boston, MA, November 27, 2018
- "Successful Strategies for Medical Device Startups," MDG Forum, Weston, MA, April 4, 2018
- "Strategies and Considerations for Protecting Your Medical Technology Start-Up's Innovations," Hamilton Brook Smith Reynolds Lecture, Cambridge, MA, November 29, 2016
- National Institute of Biomedical Imaging and Bioengineering's Training Grantees Meeting, Bethesda, MD, July 11, 2016