ALEXANDER ADAM, PH.D.

Principal
Boston office
617.607.5900 x 5915
Alexander.Adam@hbsr.com

Practice Areas

- Patents
- Counseling
- Trademarks
- Licensing
- Agreements
- IP Litigation
- Copyrights
- Trademark Oppostition and Cancellation Proceedings

Technologies

- Medical Devices
- Pharmaceuticals
- Mechanical Engineering
- Mobile
- Medical Imaging
- Clean Technology
- Computer Software
- Bioinformatics
- Electrical Engineering
- Biotechnology and Life Sciences
- Internet of Things
- Computer Hardware
- Telecommunications
- Semiconductors

Alexander specializes in drafting and prosecuting patent applications in the fields of medical devices, biotechnology and life sciences, computer systems, electronics, imaging software, control systems, mechanical devices, telecommunications, and clean energy. He also has experience in trademark opposition and cancellation proceedings, patent litigation, due diligence, and providing invalidity and non-infringement opinions. Alex advises clients on U.S. and international patent strategy.

While at the firm, Alex's work on patent applications includes semiconductor manufacturing technology, laboratory devices for the pharmaceutical industry, 3-D modeling for surgical planning, computer-controlled prosthetic devices, automatic speech recognition technology, needle-free injection devices, fuel cell technology, , drug infusion pumps, wearable sensors, augmented reality (AR), microfluidics and medical implants.

In 2021, Alex received the distinction of Best Lawyers in America® for his patent law expertise. From 2013 - 2019, Alex was named a Rising Star by Super Lawyers. From 2013 - 2019, Alex was named a Rising Star by Super Lawyers.

Prior to his legal career, Alex worked at Boston University's NeuroMuscular Research Center as a research assistant professor and co-supervisor in the Motor Unit Laboratory. His technical expertise is in the area of biosignal detection and analysis, sensor design, biomechanics, and digital signal processing.

Alex's dissertation, *Control of Motor Units During Submaximal Fatiguing Contractions*, explored the neural regulation of human muscle activity through in-vivo recordings and mathematical modeling. He has coauthored over ten scientific articles which have been published in numerous journals including *The Journal of Applied Physiology*, *The Journal of Neurophysiology*, and *The Journal of Neuroscience Methods*.

Alexander is a native German speaker.

HAMILTON BROOK SMITH REYNOLDS
Intellectual Property Law

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

- American Bar Association
- American Intellectual Property Law Association
- Boston Patent Law Association
- German-American Business Council of Boston - Serving on their Board of Directors
- IEEE Engineering in Medicine and Biology Society
- AIPPI-US Member
- Medical Development Group of Boston - Participating in Programs Committee

Certifications

- Black Duck Certified

ALEXANDER ADAM, PH.D.

IP News Alerts

- Impact of the Brexit Vote on Your IP, *Hamilton Brook Smith Reynolds Alert*, June 27, 2016

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
- Deleted Teachings and Incorporation by Reference, *Hamilton Brook Smith Reynolds IP Extracts*, June 27, 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

- "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
- "Intellectual Property Protection Strategies," Hamilton Brook Smith Reynolds / German-American Business Council of Boston Lecture, Newton, MA, April 6, 2016

Admissions

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

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155 SEAPORT BLVD., BOSTON, MA 02210 | 617.607.5900
530 VIRGINIA ROAD, CONCORD, MA 01742 | 978.341.0036
WWW.HBSR.COM
INFO@HBSR.COM