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Education

Massachusetts Institute of Technology, Ph.D., Electrical Engineering, 2002

Massachusetts Institute of Technology, Ph.D., MEng, EECS 1996

Massachusetts Institute of Technology, SB, EECS 1994

Dr. Mason is a registered patent agent. Dr. Mason has provided portfolio management and strategic advice for companies at various stages, including startups, and has worked with university technology licensing offices. His practice focuses on patent prosecution in the areas of electrical engineering and computer science. Dr. Mason has drafted and prosecuted patent applications in numerous technology areas including optics/photonics (WDM filters, waveguides, interferometry, spectroscopy, intraocular lenses); semiconductors (multicore processor architecture, wireless chip design); networking/telecommunications protocols (wireless, optical, powerline); medical devices (optical and acoustic imaging); signal processing (video compression, voice recognition); physics and chemistry (quantum devices, nanocomposites, microfluidics); and software (database management systems, machine-learning, graphical user interfaces).

Industry Experience

Dr. Mason's research experience included a Ph.D. thesis under Dr. N.C. Wong in experimental nonlinear optics and quantum communications. He worked as a Postdoctoral Associate for the MIT Research Laboratory of Electronics (2002-2003) on free-space optical communications and as a research assistant at the MIT Lincoln Laboratory (1996-2001) on periodically-poled nonlinear materials. His graduate work included a computer science minor in distributed algorithms and networks.