BANNER WITCOFF

Deuk Lee, Ph.D.

Patent Engineer
Chicago, IL
Main: 312.463.5000
Fax: 312.463.5001

Deuk Lee, Ph.D., brings an engineering background to Banner Witcoff, where his areas of expertise include the preparation and prosecution of U.S. and foreign patents in a variety of engineering fields. He drafts patent applications, responds to office actions, and works with inventors and attorneys to ensure that complex technical innovations are effectively protected. His expertise spans a wide range of wireless communication technologies, including 5G, 6G, and Wi-Fi. He also has experience drafting and prosecuting patents in next-generation media coding and advanced compression technologies for emerging multimedia applications.

Deuk's patent drafting and prosecution experience, combined with his extensive research background, enables him to quickly identify inventive concepts across a broad range of technologies. His skills are well suited to innovations that draw upon multiple areas of engineering. By leveraging his experience and background, he develops a thorough understanding of complex inventions and helps secure effective protection for his clients' intellectual property. He also has prior art search experience in the government and the private sector, which he applies to inter partes review (IPR) proceedings and to drafting due diligence memoranda evaluating patent portfolios. His experience reviewing standard documents provides a foundation for prosecuting standard-essential patents.

Prior to joining Banner Witcoff, Deuk gained experience as a patent examiner at the U.S. Patent and Trademark Office, where he focused on artificial intelligence and related technologies. He also worked as a patent analyst at an intellectual property management company, reviewing and analyzing patent applications in the field of telecommunications and standards-related documents, including 3GPP contributions, IEEE standards, and ETSI standards. In addition, he worked as an R&D engineer at various technology companies, conducting research in areas such as LTE and LTE-A standardization and near-field communication (NFC) applications. Deuk obtained his B.S. in Electrical Engineering from the University of California, Santa Barbara, and his M.S. and Ph.D. degrees in Electrical and Computer Engineering from the Georgia Institute of Technology. As part of his doctoral research, he focused on vehicular (V2X) communications, vehicular ad hoc networks (VANETs), wireless transceiver systems, and adaptive RF systems. His academic research results have been published in multiple peer-reviewed IEEE international conference proceedings.

Education

University of California, Santa Barbara
B.S., Electrical Engineering

Georgia Institute of Technology
M.S., Electrical and Computer Engineering
Ph.D., Electrical and Computer Engineering