



Won S. Yoon

Principal
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Overview

Won S. Yoon is dedicated to helping clients with a variety of patent legal services ranging from patent prosecution, Patent Trial and Appeal Board post-grant proceedings, due diligence, infringement and invalidity opinions, and freedom to operate analysis.

Won's legal practice is based on an extensive technical background in numerous areas of electrical engineering and computer science, including communication systems and networks, standard essential patents, dynamic feedback control, photonics, semiconductors, and artificial intelligence and machine learning.

Won's technical background includes research at Lucent Bell Laboratories, MIT Lincoln Laboratory, and IBM T.J. Watson Research Laboratories. Won's graduate studies at MIT's electrical engineering and computer science department included Ph.D.-equivalent coursework and research in the fields of control and communication technologies.

Experience

Representative examples of Won's work include:

Patenting dynamic feedback control techniques in wellbore operations for a multinational oil and energy company;

Patenting novel machine-learning speech recognition and image recognition for a multinational computer software company;

Protecting a multinational consumer electronics company against infringement allegations through successful *inter partes* review (IPR) of competing patents related to mobile inter-networking; and

Conducting invalidity and infringement due diligence for an extensive portfolio of standard essential patents (SEPs) for a multinational consumer electronics company in 4G/5G wireless communications.

Recognitions & awards

William Everitt Student Award of Excellence

Columbia University

Edwin Howard Armstrong Award

Academic/Scholarly

Insights

Blog | January 21, 2025

How Standardization, SEPs, and Patent Pools Can Benefit the EV and Battery Industries

Webinar | May 1, 2024

How Standardization, SEPs, and Patent Pools Can Benefit the EV and Battery Industries

Blog | April 29, 2024

Navigating *SuperGuide* at the PTAB

News

Media Coverage | February 13, 2025

Principals Won Yoon, Hyun Jin In, and Daniel Tishman Discuss the Role of Standardization in Future Mobility

MLex

News | January 5, 2022

Fish & Richardson Elevates 17 Attorneys to Principal

Events

February 20, 2025

IPBC Korea 2025

July 9, 2024

Strafford Webinar: Patenting Standardized Technologies

March 15, 2024

International Battery Seminar and Exhibit 2024

Additional insights

Publications

- "Fault Diagnosis in an All-Optical Network," *IEEE Journal of High Speed Networks* 10(4):269-291 (2001)
 - "Streaming Transmission of Poisson Traffic," *Proceedings of the 2008 IEEE International Symposium on Information Theory* (July 2008)
 - "Transmission of Bursty Data over Wideband Fading Channels," *2003 IEEE ISIT* (July 2003)
 - "Delay-Optimal Power Control for Wireless Data Users with Average Power Constraints," *2002 IEEE ISIT* (June 2002)
 - "Batch Wavelength Assignment for All-Optical Central-Switch Networks," *1998 OFC Conference* (1998)
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Services

Standard Essential Patents

Post-Grant

Patent

Patent Prosecution
Strategic Patent Counseling & Opinions

Industries

Electrical & Computer Technology
Software & Internet
Semiconductors
Optics
Telecommunications

Admissions

Maryland (2018)
U.S. Patent and Trademark Office (2013)

Education

J.D., Georgetown University Law Center (2017)
E.E., Electrical Engineering and Computer Science, Massachusetts Institute of Technology (2011) (Ph.D. equivalent coursework)
S.M., Electrical Engineering and Computer Science, Massachusetts Institute of Technology (1998)
B.S. *summa cum laude*, Electrical Engineering, Columbia University (1996)