FISH.

Baile Xie, Ph.D.

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Overview

In her robust cross-border practice, Baile (Bailey) Xie, Ph.D., works with clients in the U.S. and around the world to build and manage strategic global patent portfolios for innovations in the telecommunications, blockchain, artificial intelligence (AI)/machine learning, financial technology (FinTech), data privacy and security, semiconductor, and oil and gas spaces.

Bailey's doctoral study focused on wireless communications and signal processing, together with extensive research experience in AI and wearable medical/healthcare/fitness devices. As a patent prosecutor, she uses this expertise to harvest patentable innovations and develop robust patent portfolios for numerous clients in the telecommunications, FinTech, semiconductor, and oil and gas industries. She advises her clients on international patent protection and supports them in patent portfolio licensing and monetization.

Bailey also maintains a strong post-grant practice, using her technical background and patent prosecution experience to both challenge patents as a petitioner and defend patents on behalf of patent owners before the Patent Trial and Appeals Board. She has worked on dozens of high-stakes *inter partes* review matters that involve standard essential patents, as well as various post-grant matters in other technical areas.

Among her professional achievements, Bailey has been a key member of a Fish team that turned a China-based FinTech company into the largest holder of blockchain patents in the world. As an essential Fish team member for one of the world's largest telecommunications corporations, Bailey has routinely been entrusted with high-value cases related to telecommunication standards including 5G and 4G. A native Mandarin speaker, Bailey often works across borders and enjoys the opportunities that travel affords to familiarize herself with her clients. She values the opportunity to work closely with inventors and in-house counsels to share knowledge, learn, and align her services with her clients' needs.

When she is not practicing law, Bailey enjoys traveling and other adventures that enable her to explore new places, especially new restaurants and coffee shops.

Insights

Webinar | October 13, 2021
Strategies and Legal Considerations for Patenting Blockchain Innovations

News

January 24, 2025
Fish & Richardson Attorneys Selected for Leadership Council on Legal Diversity's Fellow and Pathfinder Programs

January 2, 2024
Fish & Richardson Elevates 20 Attorneys to Principal

Additional insights

Publications

- "Patenting Blockchain Innovations – Avoid Making a Hash of It," *PLI Current: The Journal of PLI Press*, Vol. 5 (March 2021)

- "Adaptive Interference Alignment with CSI Uncertainty," *IEEE Trans. Commun.*, vol. 61, pp. 792-801 (February 2013)

- "Exact Signal Model and New Carrier Frequency Offset Compensation Scheme for OFDM," *IEEE Trans. Wireless Commun.*, vol. 11, pp. 550-555 (February 2012)

- "Real Time Sleep Apnea Detection by Classifier Combination," *IEEE Trans. Inf. Technol. Biomed.*, vol. 16, pp. 469-477 (May 2012)

- "A Reduced Overhead OFDM Relay System with Clusterwise TMRC Beamforming," *IEEE Commun. Lett.,* vol. 16, pp. 1913-1916 (December 2012)

- "Collaborative Multisystem Channelization," *IEEE Trans. Wireless Commun.*, vol. 14, no. 10, pp. 5723-5735 (October 2015)

- "Interference-Controlled Transmission schemes for Cognitive Radio in Frequency Selective Time Varying Channel," *IEEE Trans. Wireless Commun.*, pp. 142-153 (January 2012)

- "An Adaptive Relay Transmission Scheme for MIMO-OFDMA," *IEEE Wireless Commun. Lett.*, vol. 1, pp. 496-499 (October 2012)

- "Interference Alignment under Training and Feedback Constraints," *IEEE Globecom* (December 2011)

- "An Improved Approach for Real-Time Detection of Sleep Apnea," *BIOSTEC,* pp. 169-175 (February 2011)

Services

Standard Essential Patents
Post-Grant
Patent
Patent Prosecution

Industries

Electrical & Computer Technology
Software & Internet
Hardware
Telecommunications
Energy & Chemicals
Petrochemical

Admissions

Texas (2018)
U.S. Patent and Trademark Office (2019)

Languages

English
Mandarin Chinese

Education

J.D., Southern Methodist University Dedman School of Law (2018)

Ph.D., Electrical Engineering, University of Texas at Dallas (2013)

B.S., Communications Engineering, University of Electronic Science and Technology of China (2008)