FOLEY & LARDNER LLP

Kyle C. Rule

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Kyle Rule is a seasoned patent attorney with extensive experience preparing and prosecuting domestic and international patent applications across a diverse range of technologies. His experience spans HVAC systems and controls software, artificial intelligence and machine learning, financial and insurance software, plumbing fixtures, medical devices, automotive technologies (including engine controls and filtration systems), micro-acoustic devices, and consumer products. Kyle is a member of the firm's Mechanical & Electromechanical Technologies Practice.

Beyond patent prosecution, Kyle conducts patentability and freedom-to-operate searches, handles intellectual property (IP) due diligence for mergers and acquisitions, and drafts technology licensing agreements for software and consumer products. On the litigation side, he prepares petitions and collaborates with experts to develop expert declarations for inter partes reviews and other post-grant proceedings.

Before transitioning to patent law, Kyle spent nearly a decade in mechanical engineering, designing and developing a wide range of products. As a research and development engineer at Astronautics Corporation of America, he specialized in magnetic and fluid system design and development. At Creare, LLC, he contributed to projects involving turbomachine design and analysis, high-effectiveness heat exchanger design, and test facility development for low-temperature cryocoolers. Additionally, Kyle worked as an application engineer for a global corporation specializing in engines, filtration, and power generation products, where he customized air filtration and crankcase ventilation systems to meet client specifications.

Kyle's blend of engineering experience and legal acumen enables him to provide comprehensive guidance on complex technological and IP matters

Presentations and Publications

- Co-author, “The Evolution of Magnetocaloric Heat-Pump Devices,” *MRS Bulletin*, 43(4), 274-279 (2018)
- Co-author, “Design, Development, and Testing of a Water Vapor Exchanger for Spacecraft Life Support Systems,” 46th International Conference on Environmental Systems (ICES), Vienna, Austria (July 2016)
- Co-author, “Characterization of Emitted Vibration from Turbo-Brayton Cryocoolers,” *Cryocoolers* 19 (2016)
- Co-author, “Heat Capacity Characterization of a 4 K Regenerator with non-Rare Earth Material,” *Cryocoolers* 19 (2016)
- Presenter, “Cryosurgical Probe Test Facility: Modeling and Experimentation,” ASHRAE Annual Technical Conference, Denver, Colorado (2013)

Sectors

- Automotive
- Consumer Products
- Electrified Mobility & Infrastructure
- Health Care & Life Sciences
- Manufacturing
- Medical Devices

Practice Areas

- Intellectual Property
- Mechanical & Electromechanical Technologies

Education

- University of Wisconsin, Madison (J.D., cum laude, 2023)
- University of Wisconsin, Madison (M.S., 2013)
  - Mechanical engineering
  - Graduate research focused on the development of an empirical performance model for a pre-cooled Joule-Thomson Cycle for cryosurgery
- University of Wisconsin, Madison (B.S., 2010)
  - Mechanical engineering

Admissions

- Wisconsin
- U.S. Patent and Trademark Office