

Kyle C. Rule

Associate

krule@foley.com

Madison

608.258.4467



Kyle Rule has experience preparing and prosecuting domestic and international patent applications for a wide variety of technologies, including 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; and micro-acoustic devices. He is a member of the firm's Mechanical & Electromechanical Technologies Practice.

Prior to joining Foley, Kyle was a research and development project engineer at Astronautics Corporation of America where he was responsible for magnetic and fluid system design and development activities. He was also a research and development engineer at Create, LLC, where he contributed to a variety of projects, including turbomachine design and analysis, high-effectiveness heat exchanger design, and test facility design for low-temperature cryocoolers.

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)



FOLEY & LARDNER LLP

Sectors

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

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