

# CHARLIE FRANKLIN, PH.D.

ASSOCIATE / ST. LOUIS METRO OFFICE

Charlie advises on the preparation and prosecution of both U.S. and foreign patent applications. He focuses on helping clients obtain broad patent protection for innovations in the electrical and mechanical fields, including electric power generation and conversion, electric motors and controls, electronic circuits, telecommunications, computer software and systems, HVAC systems, as well as enclosure and storage components and systems.

Charlie is focused on providing both efficient and cost-effective solutions for his clients, including initial patentability analysis to assist in developing effective patent filing strategies. Charlie also helps protect new and existing client products from competitor patents by conducting freedom to operate analysis. He reviews competitor patents and assists clients by providing design around recommendations, and preparing non-infringement opinions and invalidity opinions.

## PRACTICE AREAS

Patents

## INDUSTRIES

Electrical, Computer & Internet; Energy Production & Delivery; Software & Information Technology; Telecommunications & Wireless Technology

## KEY MATTERS

- Prepared and prosecuted U.S. and foreign patent applications for multiple large companies specializing in electric power, circuits and telecommunications technologies
- Counseled individual inventors and small businesses in preparation and prosecution of utility and design patents, and patentability analysis for new innovations
- Drafted reissue patent application for a patent previously involved in litigation to strengthen client's patent protection
- Helped clients avoid risk of litigation involving competitor patents through design around recommendations, non-infringement and invalidity opinions

## PUBLICATIONS



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- Franklin CC, Mohan A, Merle D, Lannin J and Nair SS (2012) Perceptions of professional skills by graduate students— A comparative study between Engineering, Education and Biology, *International Journal of Engineering Education* 28(3):588-598.
- Franklin CC, Ball JM, Schulz DJ, Nair SS (2010) Generation and preservation of the slow underlying membrane potential oscillation in model bursting neurons, *Journal of Neurophysiology* 104:1589-16410.

## BACKGROUND

Before attending law school, Charlie was involved in graduate research at the University of Missouri regarding computational modeling in neuroscience using electrical circuits and networks. His education and background help him to quickly understand both current and complex new technologies as needed.

## AWARDS & DISTINCTIONS

- *Washington University Jurisprudence Review*, Senior Editor
- *St. Louis Small Business Monthly*, “Best Patent Attorney,” 2017

## EDUCATION

J.D., *cum laude*, Washington University in St. Louis, 2013

Ph.D., Electrical and Computer Engineering, University of Missouri, 2017

B.S., Electrical Engineering, *summa cum laude*, University of Missouri, 2007

B.S., Computer Engineering, *summa cum laude*, University of Missouri, 2007

## BAR & COURT ADMISSIONS

Missouri

U.S. Patent and Trademark Office