

Patent Agent

Lindsay Boehme, Ph.D.

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Profile

Lindsay Boehme, Ph.D., is a skilled Patent Agent with expertise in patent application preparation and prosecution across a range of scientific and engineering disciplines. Her work draws on more than a decade of experience in chemical engineering, materials science, and electrochemical technology development.

Before entering the legal field, Lindsay spent nearly ten years in the water treatment and electrochemical device industry, where she led research and development projects, managed multi-million-dollar federal grants, and oversaw an intellectual property portfolio that included multiple patents on sustainable materials technologies. Her industry experience gives her a strong understanding of how innovative ideas progress from lab research to commercialization and patent protection.

Lindsay earned her Ph.D. in Chemical Engineering from Case Western Reserve University, where her research focused on copper electrodeposition for semiconductor interconnects. She also holds dual undergraduate degrees in Chemical Engineering and Biochemistry from the University of Ottawa. She completed her J.D. at the University of New Hampshire Franklin Pierce School of Law with an Intellectual Property Law Certificate.

Lindsay is fluent in French.

Presentations + Publications

Publications

- Esfandiarpour, S., Boehme, L., and Hastings J. T., "Focused Electron Beam Induced Deposition of Copper with High Resolution and Purity from Aqueous Solutions," *Nanotechnology*, vol. 28, no. 12, February 2017: 125301. (*Cover article*)

Education

J.D., University of New Hampshire Franklin Pierce School of Law, 2025

Ph.D., Chemical Engineering, Case Western Reserve University, 2014

B.S., Chemical Engineering, University of Ottawa, 2009, *cum laude*

B.S., Biochemistry, University of Ottawa, 2009, *cum laude*

Bar Admissions

U.S. Patent and Trademark Office

Recognition

University of New Hampshire Franklin Pierce School of Law

Dean's Scholarship

Karl F. Jorda Intellectual Property Scholarship

National Patent Drafting Competition team (2024, 2nd place – Eastern Regional Division)

Services

International IP Protection

Patent Preparation + Prosecution

- Boehme, L. and Landau U., “Additives Co-injection: A Test for Determining the Efficacy and Process Parameters of Bottom-up Plating,” *Journal of the Electrochemical Society*, vol. 163, no. 7, April 2016: D314-321.
- Boehme, L. and Landau U., “Rapid Screening of Plating Additives for Bottom-up Metallization of Nano-scale Features,” *Journal of Applied Electrochemistry*, vol. 46, July 2015: 39-46.
- Boehme, L., Bresin M., Botman A., Ranney J., and Hastings J. T., “Focused Electron Beam Induced Etching of Copper in Sulfuric Acid Solutions,” *Nanotechnology*, vol. 26, no. 49, November 2015: 495301. (Cover article)
- Tang S., Boehme L., Lam H., and Zhang Z., “*Pichia Pastoris* Cultivation for Phytase Production Using Crude Glycerol from Biodiesel Production as the Sole Carbon Source,” *Biochemical Engineering Journal*, vol. 43, no. 2, February 2009: 157-162.

Industries

Biotechnology +
Pharmaceuticals

Chemicals + Chemical
Engineering

Energy + Clean Technology

Environmental Engineering

Food + Agricultural Sciences

Material Science

Mechanical Engineering +
Manufacturing

Presentations

- “Electrochemical Point-of-Use Water Purification System,” Virtual Technology Fair: Lead (Pb) Detection and Treatment for Water, NIEHS Superfund Research Program, October 28, 2024.
- “Commercialization of an Electrochemical Filter,” Co-presenter, Abstract 241, 241st ECS Meeting, Vancouver, BC, Canada, May 29 – June 2, 2022. (Invited)
- “Evaluating Process Parameters for Liquid Phase Electron Beam Induced Etching of Copper,” Co-presenter, Abstract 1C4, 59th EIPBN Meeting, San Diego, CA, May 26-29, 2015.

Memberships

- American Intellectual Property Law Association
- Chicago Women in IP
- The Electrochemical Society