

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

UNION ELECTRIC COMPANY
Petitioner,

v.

BIRCHTECH CORPORATION,
Patent Owner.

Case: IPR2025-01322
Patent 10,668,430

Mail Stop Patent Board
Patent Trial and Appeal Board
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

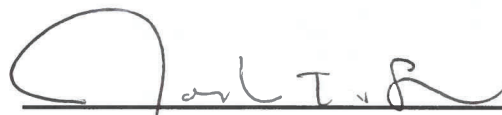
**POWER OF ATTORNEY FOR PETITIONER
UNION ELECTRIC COMPANY**

Under 37 C.F.R. § 42.10(b), Petitioner Union Electric Company hereby appoints the following practitioners as its attorneys to transact all business in the United States Patent and Trademark Office associated with the above-captioned *inter partes* review.

LEAD COUNSEL	BACK-UP COUNSEL
Robert M. Evans, Jr., Reg. No. 36,794 LEWIS RICE LLC 600 Washington Avenue, Suite 2500 St. Louis, Missouri 63101 T: 314-420-2748 E: revans@lewisrice.com	Michael J. Hartley, Reg. No. 67,230 LEWIS RICE LLC 600 Washington Avenue, Suite 2500 St. Louis, Missouri 63101 T: 314-444-7869 E: mhartley@lewisrice.com Kathleen M. Petrillo, Reg. No. 35,076 LEWIS RICE LLC 600 Washington Avenue, Suite 2500 St. Louis, Missouri 63101 T: 314-374-6623 E: kpetrillo@lewisrice.com

The undersigned is authorized to sign this Power of Attorney on behalf of Petitioner.

UNION ELECTRIC COMPANY



By: Jonathan T. Shade
Title: Deputy Corporate Secretary
Date: June 5, 2025