

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

UNION ELECTRIC COMPANY
Petitioner,

v.

BIRCHTECH CORPORATION,
Patent Owner.

Case: IPR2025-01323
Patent 10,589,225

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
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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