

UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT TRIAL AND APPEAL BOARD

Union Electric Company

Petitioner,

v.

Birchtech Corporation,

Patent Owner

IPR2025-01118
Patent 10,343,114

POWER OF ATTORNEY PURSUANT TO 37 C.F.R. § 42.10(b)

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

In accordance with 37 C.F.R. § 42.10(b), patent owner and real party in interest, Birchtech Corp., having a principal place of business at 1810 Jester Drive, Corsicana, TX 75151, hereby appoints:

| | |
|-----------------|---|
| Lead Counsel | Hamad M. Hamad (Registration No. 64,641) |
| Back-up Counsel | Justin T. Nemunaitis (<i>Pro Hac Vice</i> forthcoming) |
| Back-up Counsel | Richard A. Cochrane (<i>Pro Hac Vice</i> forthcoming) |

as its attorneys, to act on its behalf in the *Inter Partes* Review of U.S. Patent No. 10,343,114, with full power to appoint an associate agent, and to transact all business before the United States Patent and Trademark Office in connection therewith.

Lead and back-up counsel's contact and service information is provided below:

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I have authority to sign this document on behalf of Birchtech Corp.

Date: June 27, 2025

Respectfully submitted,

By: Richard MacPherson

Name: Richard MacPherson
Title: CEO
For Birchtech Corp.