

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE OFFICE OF THE UNDER SECRETARY OF COMMERCE  
FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

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UNION ELECTRIC COMPANY,  
Petitioner,

v.

BIRCHTECH CORPORATION,  
Patent Owner.

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IPR2025-01117 (Patent 10,596,517 B2)  
IPR2025-01118 (Patent 10,343,114 B2)  
IPR2025-01322 (Patent 10,668,430 B2)  
IPR2025-01323 (Patent 10,589,225 B2)  
IPR2025-01324 (Patent 10,933,370 B2)<sup>1</sup>

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Before JOHN A. SQUIRES, *Under Secretary of Commerce for Intellectual  
Property and Director of the United States Patent and Trademark Office.*

ORDER

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<sup>1</sup> This order applies to each of the above-listed proceedings.

IPR2025-01117 (Patent 10,596,517 B2)  
IPR2025-01118 (Patent 10,343,114 B2)  
IPR2025-01322 (Patent 10,668,430 B2)  
IPR2025-01323 (Patent 10,589,225 B2)  
IPR2025-01324 (Patent 10,933,370 B2)

The Office received a request for Director Review of the Decision denying institution in each of the above-captioned cases and an authorized response to each request. *See* Papers 22, 23.<sup>2</sup>

Having considered the requests and responses, it is:

ORDERED that the requests for Director Review are denied.

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<sup>2</sup> Citations are to the record in IPR2025-01117. The parties filed similar papers in IPR2025-01118, IPR2025-01322, IPR2025-01323, and IPR2025-01324.

IPR2025-01117 (Patent 10,596,517 B2)  
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