

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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DELL INC., DELL TECHNOLOGIES INC., HP INC., AND LENOVO (UNITED STATES) INC.,

Petitioner

v.

UNIVERSAL CONNECTIVITY TECHNOLOGIES INC.,

Patent Owner.

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**DECLARATION OF ERIC WELCH**

Case No. IPR2024-01478

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

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Exhibit No.	Description
1001	U.S. Patent No. 8,680,712 (the “’712 Patent”)
1002	Prosecution history of the ’712 Patent
1003	Declaration of Eric Welch
1004	Curriculum Vitae of Eric Welch
1005	U.S. Pat. App. Pub. No. 2006/0089230 A1 to Biederman et al. (“Biederman”)
1006	IEEE Standard for Information Technology, Part 3, Amendment: Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI) (“IEEE 802.3af”)
1007	U.S. Pat. App. Pub. No. 2006/0100799 A1 to Karam (“Karam”)
1008	U.S. Pat. App. Pub. No. 2008/0168283 A1 to Penning (“Penning”)
1009	Declaration of James L. Lansford, Ph.D. regarding IEEE 802.3af
1010	<i>Intentionally left blank</i>
1011	UCT’s Amended Infringement Contentions, Ex. H, <i>Universal Connectivity Technologies Inc. v. Dell Technologies Inc. et al.</i> , 1:23-cv-01506-RP (W.D. Tx. Apr. 3, 2024)
1012	Universal Serial Bus Type-C Cable and Connector Specification, Release 2.0
1013	Declaration of Nathaniel Frank-White Regarding WayBack Machine URLs
1014	Galit Mendelson, <i>All you Need to Know About Power over Ethernet (PoE) and the IEEE 802.3af Standard</i> (June 2004), available at <a href="https://web.archive.org/web/20050302031350/http://www.powerdsine.com/Documentation/WhitePapers/PoE_and_IEEE802_3af.pdf">https://web.archive.org/web/20050302031350/http://www.powerdsine.com/Documentation/WhitePapers/PoE_and_IEEE802_3af.pdf</a> .
1015	Texas Instruments, <i>An Engineer’s Guide to Current Sensing</i>
1016	DigiKey, <i>Current Shunt Monitors</i> , YouTube 0:13, 0:34 (August 12, 2010), <a href="https://www.youtube.com/watch?v=PDqbIOik9tY">https://www.youtube.com/watch?v=PDqbIOik9tY</a> .

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