

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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US CONEC LTD,  
Petitioner,

v.

SENKO ADVANCED COMPONENTS, INC.,  
Patent Owner.

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Case IPR2024-00116  
U.S. Patent No. 11,307,369

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**DECLARATION OF JAMES F. BRENNAN III, PhD.  
IN SUPPORT OF PETITION FOR *INTER PARTES* REVIEW OF CLAIMS  
23-40 OF U.S. PATENT 11,307,369**

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**TABLE OF MATERIALS CONSIDERED**

<b>Exhibit Number</b>	<b>Description</b>
<b>1001</b>	U.S. Patent No. 11,307,369 to Takano et al. (“’369 patent”)
<b>1002</b>	Patent Prosecution History of U.S. Patent No. 11,307,369 to Takano et al.
<b>1003</b>	International Application No. WO 2015/027033 to Scherer et. al. (“Scherer”)
<b>1004</b>	International Publication No. WO 2017/127208 to Lee (“Lee”)
<b>1005</b>	U.S. Patent Application Publication No. 2017/0227720 to Lin (“Lin”)
<b>1006</b>	<i>Curriculum Vitae</i> of James F. Brennan III, Ph.D.
<b>1007</b>	Exhibit I of Complaint – Claim Chart U.S. Patent No. 11,307,369 and MMC, <i>Senko Advanced Components, Inc. v. US Conec, Ltd.</i> , No. 1:23-cv-00083 (D. Del. Jan. 24, 2023), ECF No. 1-1
<b>1008</b>	Childers, Darrell, <i>et al.</i> , “Multi-Fiber, MT Ferrule Endface Fiber Tip Displacement Model for Physical Contact Interconnects,” White Paper (2006)
<b>1009</b>	U.S. Patent Application Publication No. 2016/0238796 to Nguyen et al. (“Nguyen”)
<b>1010</b>	U.S. Patent No. 8,465,317 to Gniadek et al. (“Gniadek”)
<b>1011</b>	Declaration of James F. Brennan III, Ph.D. (IPR2024-00115)
<b>1013</b>	Wenke, I.G., “Report on Fiber Optic Cables,” accessed at <a href="https://www.researchgate.net/publication/308332946">https://www.researchgate.net/publication/308332946</a> (2015)
<b>1014</b>	Kant, K., “Data Center Evolution: A Tutorial on State of the Art, Issues, and Challenges,” <i>Computer Networks</i> , 53:2939-65 (2009)
<b>1015</b>	Curran, M. & Shirk, B., “Basics of Fiber Optics”, accessed at <a href="https://www.fibersystems.com/pdf/whitepapers/Basics-of-Fiber-Optics.pdf">https://www.fibersystems.com/pdf/whitepapers/Basics-of-Fiber-Optics.pdf</a> (May 2016)
<b>1016</b>	“19-Inch Rack,” <i>Lite-On</i> , accessed at <a href="https://liteon-cips.com/products/racks/19-inch-rack/">https://liteon-cips.com/products/racks/19-inch-rack/</a>

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