

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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TOUGHBUILT INDUSTRIES, INC.,  
Petitioner

v.

MERIDIAN INTERNATIONAL CO., LTD.,  
Patent Owner

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Case IPR2025-01461  
U.S. Patent No. 11,986,946

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**DECLARATION OF TIMOTHY L. TANG**

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

I, Timothy L. Tang, hereby declare as follows:

1. I am a Director in the Electronics Practice Group at Sterne, Kessler, Goldstein & Fox, P.L.L.C. Unless otherwise stated, the facts stated in this Declaration are based on my personal knowledge. If called as witness, I could and would testify competently to the information set forth in this Declaration.

2. On information and belief, Exhibit 1013 is a true and correct copy of “*Standard Handbook of Machine Design*” (Second Edition) by Joseph E. Shigley et al. (“Shigley”). I personally obtained a physical copy of Shigley and have provided excerpts as Exhibit 1013. Other than adding the exhibit label on the first page, to my knowledge, no other alterations were made to Shigley.

3. On information and belief, Exhibit 1014 is a true and correct copy of “*University Physics Volume I*” (Published 2016) by Samuel J. Ling et al. (“Ling”). I personally obtained a physical copy of Ling and have provided excerpts as Exhibit 1014. Other than adding the exhibit label on the first page, to my knowledge, no other alterations were made to Ling.

4. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Executed on this 28th day of August 2025, in Washington, D.C.

Respectfully submitted,

*/Timothy L. Tang/*

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Timothy L. Tang