

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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BOSE CORPORATION,  
Petitioner,

v.

KOSS CORPORATION,  
Patent Owner.

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Case No. TBD  
Patent No. 10,368,155

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**DECLARATION OF JOHN G. CASALI, Ph.D., CPE**

Bose Exhibit 1005  
Bose v. Koss

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I, John G. Casali, declare:

1. I have been retained by Wolf, Greenfield & Sacks, P.C., counsel for Petitioner Bose Corporation, to submit this declaration in connection with Bose's petition for *inter partes* review of claims 1-14 (the "challenged claims") of U.S. Patent No. 10,368,155 (Ex. 1001, "the '155 patent"). I am being compensated for my time at my standard rate of \$600 per hour, plus actual expenses. My compensation is not dependent in any way upon the outcome of the *inter partes* review of the '155 patent.

## **I. BACKGROUND AND QUALIFICATIONS**

2. I am the John Grado Chaired Professor of Industrial and Systems Engineering at Virginia Polytechnic Institute and State University in Blacksburg, Virginia ("Virginia Tech"). I am also the founder and Director of the Auditory Systems Laboratory at Virginia Tech.<sup>1</sup> I have been an engineering professor at Virginia Tech since 1982, and founded the Auditory Systems Laboratory in 1983.

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<sup>1</sup> My work at Virginia Tech as a Chaired Professor and former Department Head involves the procurement of research and foundation funding support from a variety of outside sources, including U.S. military, U.S. government, and corporate sources. Over the years, I have been responsible for procuring more than \$14 million in total funding support at Virginia Tech, approximately \$6M of which is

3. I am a Founding Partner and Chief Technology Officer of Hearing, Ergonomics & Acoustics Resources LLC, d/b/a “H.E.A.R. LLC,” a small consulting company chartered in Virginia in 2015 that specializes in hearing-related, ergonomics, and acoustical consulting as applied to product and systems design, product testing and evaluation, intellectual property assistance, forensics and litigation support, and military research and development.

4. I attended Virginia Tech as an undergraduate and graduate student, obtaining a B.S. in Psychology in 1977, a Master of Science in 1979, and a Ph.D. in Industrial Engineering with concentration in Human Factors Engineering in 1982.

5. I have been certified since 1993 by the Board of Professional Ergonomists as a Certified Professional Ergonomist (CPE), registration #222.

**A. Research Contracts and Grants at Virginia Tech and at H.E.A.R. LLC**

6. In 1983, I founded the Auditory Systems Laboratory at Virginia Tech, and since that time, have served as its sole Director. My work at Virginia Tech as a Chaired Professor and former Department Head involves the procurement of

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directly related to the support of research on applied acoustics and ergonomics issues. None of this funding is related in any way to this case nor the outcome of it.

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