

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SAMSUNG ELECTRONICS AMERICA, INC.  
Petitioner

v.

UNILOC LUXEMBOURG, S.A.  
Patent Owner

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Patent No. 8,199,747

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**DECLARATION OF DR. ZYGMUNT J. HAAS**

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I, Dr. Zygmunt J. Haas, declare as follows:

**I. INTRODUCTION**

1. I have been retained as an independent expert consultant on behalf of Samsung Electronics America, Inc. (“Petitioner”) in this proceeding before the United States Patent and Trademark Office (“PTO”) regarding U.S. Patent No. 8,199,747 (“the ’747 Patent”) (Ex. 1001). I have been asked to consider whether certain references disclose or suggest the features recited in claims 1-3, 12, and 13 (“the challenged claims”) of the ’747 Patent. My opinions are set forth below.

2. I am being compensated at my rate of \$450 per hour for the time I spend on this matter. My compensation is in no way contingent on the nature of my findings, the presentation of my findings in testimony, or the outcome of this or any other proceeding. I have no other interest in this proceeding.

**II. QUALIFICATIONS**

3. I am a Professor and Distinguished Chair in Computer Science at the University of Texas in Dallas. I am also Professor Emeritus at the School of Electrical and Computer Engineering at Cornell University. In addition, I provide technical consulting services in intellectual property matters, including matters involving computer networks and wireless communication technologies.

4. I received my Bachelor of Science Degree in Electrical Engineering, summa cum laude, from Technion (IIT), Israel, in 1979, and a Master of Science

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Degree in Electrical Engineering, summa cum laude, from Tel-Aviv University, Israel, in 1985. I subsequently authored the thesis titled “Packet Switching in Fiber-Optic Networks” as part of earning my Ph.D. in Electrical Engineering from Stanford University in 1988.

5. I have worked for about 35 years in the field of Electrical Engineering. The primary focus of my work has been on communication and networking systems, with an emphasis on wireless communication networks. I have authored and co-authored numerous technical papers and book chapters related to wireless communication networks. As shown in my curriculum vitae, which I understand is provided as Exhibit 1003, I hold eighteen patents in the fields of high-speed networking, wireless networks, and optical switching, with three additional patents pending.

6. My employment history following my graduation from Stanford University began at the Network Research Department of AT&T Bell Laboratories in 1988. At AT&T Bell Laboratories, I pursued research on wireless communications, mobility management, fast protocols, optical networks, and optical switching. During my tenure at AT&T, I also worked for the AT&T Wireless Center of Excellence, where I investigated various aspects of wireless and mobile networks. As part of my employment at AT&T, I also worked on multimedia conferencing systems.

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