UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.,
SAMSUNG ELECTRONICS AMERICA, INC. &
SAMSUNG TELECOMMUNICATIONS AMERICA, LLC.
Petitioner,
v.
STRAIGHT PATH IP GROUP, INC.
Patent Owner

INTER PARTES REVIEW OF U.S. PATENT NO. 6,009,469
Case IPR No.: Unassigned

PETITION FOR *INTER PARTES* REVIEW OF U.S. PATENT NO. 6,009,469 UNDER 35 U.S.C. §§ 311-319 AND 37 C.F.R. §§ 42.1-80, 42.100 *et seq.*

DECLARATION OF HENRY HOUH, PH.D.

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I, Henry Houh, Ph.D., being of legal age, hereby declare, affirm, and state the following:

I. INTRODUCTION

1. The facts set forth below are known to me personally and I have first-hand knowledge of them.

2. I make this declaration in support of a Petition for *Inter Partes* Review of U.S. Patent No. 6,009,469.

II. BACKGROUND AND QUALIFICATIONS

3. I have been retained by DLA Piper LLP (US), counsel for Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., and Samsung Telecommunications America, LLC ("Petitioner") to submit this declaration in connection with Petitioner's Petition for *Inter Partes* Review of claims 1-3, 5-6, 9-10, 14, and 17-18 of U.S. Patent No. 6,009,469 ("the '469 patent"). I am being compensated for my time at a rate of $590 per hour, plus actual expenses. My compensation is not dependent in any way upon the outcome of Petitioner's Petition.

4. My Curriculum Vitae is submitted herewith as Exhibit 1 to this declaration.

5. I received a Ph.D. in Electrical Engineering and Computer Science from the Massachusetts Institute of Technology(MIT) in 1998. I also received a Master of

Science degree in Electrical Engineering and Computer Science in 1991, a Bachelor of Science Degree in Electrical Engineering and Computer Science in 1990, and a Bachelor of Science Degree in Physics in 1989, all from MIT. During my time at MIT, I took graduate-level courses in communications and networking.

6. I defended and submitted my Ph.D. thesis, titled "Designing Networks for Tomorrow's Traffic," in January 1998. As part of my thesis research, I analyzed local-area and wide-area flows to show a more efficient method for routing packets in a network, based on traffic patterns at the time. My thesis also addressed real-time streamed audio and video.

7. As further indicated in my CV, I have worked in the electrical engineering and computer science fields, including in Voice over IP, on several occasions. As part of my doctoral research at MIT from 1991-1998, I worked as a research assistant in the Telemedia Network Systems (TNS) group at the Laboratory for Computer Science. The TNS group built a high speed gigabit network and applications which ran over the network, such as remote audio and video capture, processing, segmentation and search on computer terminals. In addition to helping design the core network components, designing and building the high speed links, and designing and writing the device drivers for the interface cards, I also set up the group's web server, which at the time was one of the first several hundred web servers in existence and went on to provide what was likely one of the first live

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