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Filed on behalf of Apple Inc.

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**UNITED STATES PATENT AND TRADEMARK OFFICE**

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**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

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APPLE INC.,

Petitioner

v.

BILLJCO LLC,

Patent Owner

IPR2022-00131

**DECLARATION OF THOMAS LA PORTA, PH.D.  
REGARDING CLAIMS 1, 5, 13, 20, 21, 29, 30, 34, 42, AND 49  
OF U.S. PATENT NO. 8,639,267**

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I, Thomas La Porta, Ph.D., declare as follows:

## **I. INTRODUCTION**

1. My name is Thomas F. La Porta, and I have been retained by counsel for Petitioner Apple Inc. (“Petitioner”) to analyze U.S. Patent No. 8,639,267 (“’267 patent” “EX1001”) and to provide my opinions regarding the patentability of claims 1, 5, 13, 20, 21, 29, 30, 34, 42, and 49 of the ’267 patent.

2. I am being compensated at my normal consulting rate of \$550 per hour for my time. My compensation is not contingent on the outcome of this proceeding, or of any proceedings relating to the ’267 patent.

## **II. BACKGROUND AND QUALIFICATIONS**

3. I am the Director of the School of Electrical Engineering and Computer Science at Penn State University. I am also an Evan Pugh Professor and the William E. Leonhard Professor in the Department of Computer Science and Engineering and the Department of Electrical Engineering at Penn State University. I was the founding Director of the Institute of Networking and Security Research at Penn State. I have worked on telecommunications networks since 1986.

4. I received my B.E. and M.E. in Electrical Engineering from The Cooper Union for the Advancement of Science and Art in 1986 and 1987,

respectively, and my Ph.D. in Electrical Engineering from Columbia University in 1992.

5. I joined AT&T Bell Labs (which later became Bell Labs, Lucent Technologies) in 1986 after receiving my B.E. degree, and pursued my M.E. degree part-time. In my first job at Bell Labs, I tested the performance and interoperability of many data communication devices within the AT&T network. I transferred into Bell Labs Research in 1990 to pursue research full-time.

6. Starting in 1994, I performed research directed towards mobile and wireless networks. During this period, I worked extensively on signaling protocols and call processing for mobile telephony networks and mobile data applications. A large portion of my work was directed at architectures, protocols, and software for enabling different types of serviced on wireless networks.

7. In 1997, I became the Director of the Mobile Networking Research Department within Bell Labs Research. This group, which included approximately 30 researchers and support developers, carried out basic research on mobile networks including cellular telephony, mobile Internet, integrated networks and mobile data services. In 2000, I was named the Director of the Advanced Mobile Networking Department within the Wireless Business Unit of Lucent

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