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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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UNIFIED PATENTS INC.  
Petitioner

v.

UNILOC LUXEMBOURG S.A. & UNILOC USA

IPR2018-00199  
Patent 7,092,671

**DECLARATION OF HERBERT COHEN**

**U.S. PATENT NO. 7,092,671 – CLAIMS 1-16**

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I, Herbert Cohen, declare as follows:

## I. INTRODUCTION

1. My name is Herbert Cohen. I received a B.S. and a M.S. from Purdue University in Electrical Engineering in 1984 and 1986, respectively. A copy of my curriculum vitae, which includes a more detailed summary of my background, experience, patents, and publications, is attached as Appendix A.

2. I have been retained by Unified Patents Inc. (“Unified”) as an independent expert consultant in the field of computer networks and telephone systems. I am being compensated for the time I spend on this matter, but my compensation is not dependent on and in no way affects the substance of my statements in this declaration.

3. I am currently a professional patent analyst and consultant employed by TechPats, a patent consulting firm. At TechPats, I analyze patent portfolios to determine the quality of patents and perform patent infringement and/or validity investigations on many patents. Such investigations often involve testing, performing reverse engineering, reviewing specifications, standards, manuals, and other prior art. Prior to this, I worked in the field of telecommunications for more than 25 years, with companies such as AT&T Bell Laboratories, Lucent Technologies, Agere Systems, and LSI Corporation.

4. I have led DSP, software, and system test teams in the development of numerous commercially successful embedded communication products in the areas of telephony, wireless, POS, FAX, and VoIP.

5. Specifically, from 1985-2013, I developed software and managed development and testing efforts to deliver wired and wireless communication sub-systems to major equipment providers, including HP, Toshiba, USR, and Chinese POS vendors.

6. I have a deep understanding of wireline protocols and standards, embedded systems and firmware, wireless communications protocols and standards, point-of-sale (POS) functions, consumer transaction software and devices, signal processing, algorithms, and DSP programming. My primary focus today is in telecom, wireless, multimedia, and networking technologies.

7. My work has been published in *EE Times*, and I am a recipient of the AT&T Bell Laboratories “President’s Quality Award.” Additionally, in 2004, I was awarded the Agere Systems “Outstanding Innovation Award” for “Top Patent of the Year.” I am an inventor, and I have been awarded seven patents in the field of data and facsimile communications: U.S. Patent Nos. 8,717,873 (“Modem Adaptation Control for Facsimile over Internet Protocol”), 8,365,046 (“Method and Apparatus for Non-Uniform Redundancy Packet Error Correction”), 5,831,561 (“System and Method for Dynamically Optimizing a Symbol Table and Modem

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