

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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GOOGLE LLC,  
Petitioner,

v.

UNILOC 2017 LLC,  
Patent Owner.

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**Declaration of Stuart J. Lipoff**

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## **I. Introduction**

1. I, Stuart J. Lipoff, submit this declaration to state my opinions on the matters described below.

2. I have been retained by Google, LLC, as an independent expert in this proceeding before the United States Patent and Trademark Office.

3. I understand that this proceeding involves U.S. Patent No. 9,564,952 (“the ’952 patent”), and that I have been asked to provide my opinions as to the patentability or unpatentability of certain claims of the ’952 patent.

4. This declaration sets forth my opinions, which I have formed in this proceeding based on my study of the evidence; my understanding as an expert in the field; and my education, training, research, knowledge, and personal and professional experience.

5. I am being compensated for my time at the rate of \$375 per hour. This compensation is in no way contingent upon the nature of my findings, the presentation of my findings in testimony, or the outcome of this proceeding.

## **II. Qualifications and Background**

6. I believe that I am well qualified to serve as a technical expert in this matter based upon my educational and work experience.

7. I understand that my curriculum vitae (“CV”) is being filed in this proceeding as Exhibit 1004.

8. I am currently the president of IP Action Partners Inc., which is a consulting practice serving the telecommunications, information technology, media, electronics, and e-business industries.

9. Through consulting projects, industry involvement, and educational studies, I have gained substantial experience with the technologies at issue in this proceeding. For example, throughout my career, I have been heavily involved in the study, analysis, evaluation, design, and implementation of systems and products involving wired and wireless communications. My wireless work has been wide ranging, and includes development of multiple access layer protocols used in today's IEEE 802.11 WiFi networks, and analysis of alternative cellular air interface technologies that led to Sprint PCS selecting CDMA as their technology of choice. I have worked with multiple domestic and international cellular services providers to assist in securing their license authorizations and developing plans for future services. I have also worked with manufacturers of cellular handsets and infrastructure equipment to evaluate their product offerings and recommend next generation products. My wired telecommunications work has been equally wide ranging, and includes projects for Mitel and Tadiran involving business telephone systems and the analysis of a next generation digital internet protocol multimedia nationally deployed telephone network.

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