

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

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APPLE, INC.  
Petitioner,

v.

EVOLUTIONARY INTELLIGENCE, LLC,  
Patent Owner

Case IPR 2014-0086  
Patent No. 7,010,536

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TWITTER, INC. and YELP INC.  
Joining Petitioners,

v.

EVOLUTIONARY INTELLIGENCE, LLC,  
Patent Owner,

Case IPR 2014-00812  
Patent No. 7,010,536

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**DECLARATION OF MATTHEW GREEN, PH.D.**

**REGARDING U.S. PATENT NO. 7,010,536 (CORRECTED)**

I, Matthew Green, do hereby declare and state, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 100 I of Title 18 of the United States Code.

Date: July 18, 2014

A handwritten signature in black ink, appearing to read 'Matt Green', with a long horizontal flourish extending to the right.

Matthew D. Green, Ph.D.

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## **I. INTRODUCTION**

### **A. Engagement**

1. I have been retained by counsel for Evolutionary Intelligence (“Evolutionary”) as an expert witness in the above-captioned proceeding. I have been asked to provide my opinion about the state of the art of the technology described in claims 2-12, 14, and 16 of U.S. Patent No. 7,010,536 (“the ’536 patent”) and on the patentability of these claims of this patent. The following is my written declaration on these topics.

### **B. Background and Qualifications**

2. Attached as Exhibit 2007 to this report is my up-to-date curriculum vitae, which includes a complete list of my publications and past testimony as an expert. The following paragraphs briefly summarize my relevant expertise.

3. I hold a Ph. D. in Computer Science from Johns Hopkins University, a Master of Science degree in Computer Science from Johns Hopkins University and a Bachelor of Arts in Computer Science from Oberlin College. I have authored a number of research papers in top Computer Science journals and conferences, including journals and conferences of the Institute of Electrical and Electronics Engineers (IEEE) and the Association for Computing Machinery (ACM).

4. I hold an Assistant Research Professorship at Johns Hopkins University in Baltimore, MD. My professional responsibilities in this position include: advising graduate students, teaching, conducting research, and preparing

papers. As an Assistant Research Professor, I gained expertise in several fields related to the design and implementation of large-scale distributed storage systems. For example, my research projects on distributed file systems involved the technology involved in creating, replicating and transferring information. I have taught several courses at Johns Hopkins University, including security technologies which cover database and storage technology.

5. A complete list of my research publications, conference papers, patents, and grant support is included in my curriculum vitae. Several of the publications and conference papers listed are related to the technology underlying distributed systems and content distribution systems.

6. Prior to accepting a university position, I worked for a number of years as a software developer and technology consultant. As a software developer and technology consultant, I gained expertise in several fields, including computer security, telecommunications, and content distribution technology.

7. From 1999-2003 I held the position of Senior Technical Staff Member at AT&T Laboratories in Florham Park, NJ, where my responsibilities included developing software for audiovisual content distribution systems, desktop and mobile devices, secure text messaging systems for mobile devices, AT&T's Interactive Voice Response (IVR) system, researching technology transfer for audio coding, and secure content delivery. Development of these projects included computer security, telecommunications, and content distribution technology.

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