UNITED STATES PATENT AND TRADEMARK OFFICE ————— BEFORE THE PATENT TRIAL AND APPEAL BOARD —————

GOOGLE INC. Petitioner

v.

ALFONSO CIOFFI, MEGAN ELIZABETH ROZMAN, MELANIE ANN ROZMAN, AND MORGAN LEE ROZMAN Patent Owners

Patent No. RE43,528

DECLARATION OF DR. STEVEN M. BELLOVIN

I, Steven M. Bellovin, Ph.D., declare as follows:

- 1. I make this declaration based upon my own personal knowledge and, if called upon to testify, would testify competently to the matters stated herein.
- 2. I am one of the authors of a paper entitled "Building a Secure Web Browser." The paper was presented at the 2001 USENIX Annual Technical Conference in Boston, Massachusetts, in June 2001, and copies of the paper were available without restriction at that Conference. A true and correct copy of the paper is attached to this declaration as Exhibit A. I believe the paper was also published by USENIX on its website at approximately the same time.
- 3. I am one of the authors of a paper entitled "Sub-Operating Systems: A New Approach to Application Security." The paper was presented at the 10th ACM SIGOPS European Workshop in September 2002 in Saint-Emilion, France, and I believe that copies of the paper were available in the printed conference proceedings available at that Workshop. A true and correct copy of the paper is attached to this declaration as Exhibit B as it appeared in the printed conference proceedings, including remarks from the Chair and the Table of Contents showing that the paper started on page 108. I also published a longer version of the paper by December 2002 on my webpage at AT&T, where I worked at the time. I listed the paper along with other publications under the topic "Host and Internet Security," naming all three co-authors.



I declare 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 1001 of Title 18 of the United States Code.

Executed on November 3, 2016, in New York, NY

Steven M. Bellovin, Ph.D

Exhibit A



USENIX Association

Proceedings of the FREENIX Track: 2001 USENIX Annual Technical Conference

Boston, Massachusetts, USA June 25–30, 2001



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