UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Unified Patents Inc.,

Petitioner

v.

Catonian IP Management LLC

Patent Owner

IPR2017-_____

U.S. Patent No. 8,799,468

DECLARATION OF NORMAN HUTCHINSON, PH.D.

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I, Dr. Norman Hutchinson, Ph.D., declare as follows:

I. INTRODUCTION

1. I have been retained by Unified Patents Inc. ("Unified" or "Petitioner") as an independent expert consultant in this proceeding before the United States Patent and Trademark Office. Although I am being compensated at my rate of $275 per hour for the time I spend on this matter, no part of my compensation depends on the outcome of this proceeding, and I have no other interest in this proceeding.

2. I have been asked to consider whether claims 1-5, 9, 11-13, 19, 23-27, and 32-34 of U.S. Patent Number 8,799,468 are patentable over various prior art. As discussed below, I conclude that they are not.

II. QUALIFICATIONS

3. I am currently a Professor of Computer Science at the University of British Columbia in the Faculty of Science, where I have worked since 1991. Previously I was a Professor of Computer Science at the University of Arizona.

4. For more than 30 years, I have studied, designed, and worked in the field of computer science. My experience includes more than 25 years of teaching and research, with research interests including distributed systems, programming languages and compilers for distributed systems, file systems, network protocols, and operating systems.

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5. I received a Bachelor of Science (Honors) degree in Computer Science from the University of Calgary in 1982, a Master of Science degree in Computer Science from the University of Washington in 1985, and a Doctor of Philosophy degree in Computer Science from the University of Washington in 1987.

6. Over the last three decades, I have architected, developed, and evaluated a large number of operating systems and distributed systems: Eden and Emerald at the University of Washington; the x-kernel at the University of Arizona; Elephant, Kea, Tui, Mammoth, Remus, Parallax, Capo, DOHA and others at the University of British Columbia. These systems have included object-oriented systems and languages for distributed systems (Eden and Emerald), operating systems (x-kernel and Kea), file systems (Elephant, Mammoth, Parallax, Capo), process migration systems (Emerald and Tui), systems for high availability (Remus) and browser based middleware for interactive applications (DOHA).

7. In 2001, I co-founded Silicon Chalk, Inc., which developed distributed software to enhance the utility of laptops in the classroom. This software included the ability to share information from the instructor to the students, from the students back to the instructor, and directly between students, including replication of both control information and instructional content. I

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