UNITED STATES PATENT AND TRADEMARK OFFICE
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BEFORE THE PATENT TRIAL AND APPEAL BOARD
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GUEST TEK INTERACTIVE ENTERTAINMENT LTD.,

Petitioner,

v.

NOMADIX, INC.,

Patent Owner.

U.S. Patent No. 8,626,922 to Short et al.
Issued: January 7, 2014
Filed: April 26, 2011

Title: SYSTEMS AND METHODS FOR DYNAMIC DATA TRANSFER
MANAGEMENT ON A PER SUBSCRIBER BASIS IN A COMMUNICATIONS
NETWORK

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IPR2019-00258

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Declaration of Dr. Peter Dordal

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I.   INTRODUCTION

1.   My name is Dr. Peter Dordal, and I have been retained as a technical expert by counsel for Petitioner Guest-Tek Interactive Entertainment Ltd. to provide assistance in the above captioned *inter partes* review proceeding. Specifically, I have been asked by counsel to opine on the validity of claims 1 and 9 of U.S. Patent No. 8,626,922 ("the '922 patent"). This report contains a statement of my opinions formed in this matter and provides the bases and reasons for those opinions. I make the following statements based on my own personal knowledge and, if called as a witness, I could and would testify to the following.

II.   QUALIFICATIONS AND PROFESSIONAL EXPERIENCE

2.   I have included as Attachment A a copy of my current *curriculum vitae*, which provides an overview of my qualifications and professional experience in relation to this matter. To summarize, I received my undergraduate and masters' degrees in Mathematics in 1978 from the University of Chicago, and my Ph.D. in Mathematics from Harvard University in 1982.

3.   Since receiving my doctorate degree in 1982, I have been employed as a faculty member at Loyola University Chicago, first in the Mathematical Sciences Department and then, starting in 2001, in the newly formed Computer Science Department. I received tenure in 1988, and was at that time promoted to Associate Professor, my current rank. For the past 36 years, I have focused on teaching

computer programming courses to undergraduate and graduate students, including Programming Languages, Computer Networks, and Advanced TCP/IP Networks. During part of my tenure, I was Acting Chair and Graduate Program Director for the Computer Science Department. I am also currently supervising a student thesis called *Software-defined Networking and Dynamic Traffic Rerouting*.

4.   From 1984-2003, I was the System Administrator for departmental computing facilities at Loyola University. As System Administrator, my responsibilities included managing University computers and network services, supporting University workstations, and maintaining University computer labs. Sometimes this work entailed significant software development; for example, I implemented a TCP/IP layer for the University that allowed communication between computers supporting only the 3BNET networking software and a server supporting TCP/IP. My other exemplary experiences in system management and programming through the University are set forth in Attachment A.

5.   Since 1982, I have also spent a significant amount of time, as part of my everyday course preparation and teaching, conducting research on, as well as performing and demonstrating, computer programing and network device management and support.

6.   In addition to my professional experience, I have published a substantial number of books and articles on computer programming networks. For

example, I authored the book *An Introduction to Computer Networks*, published by Loyola University of Chicago in 2012. I also significantly contributed to the book *Computer Networks: A Systems Approach*, 2nd Edition, Peterson & Davie, Morgan-Kaufmann 2000, which provides computer network and protocol exercises for students. I fill list of my publications and contributions is shown in my attached *curriculum vitae*.

7.   I am a member of the Mathematical Association of America and the Association for Symbolic Logic.

III.   <u>MATERIALS CONSIDERED IN FORMING MY OPINIONS</u>

8.   In preparing this declaration, I have reviewed and relied on various materials, including but not limited to the following exemplary materials: (1) certain prior art, including the prior art cited in this declaration; (2) the '922 patent; (3) the '922 patent's prosecution history; and (4) all of the other materials referenced in this declaration.

IV.   <u>SUMMARY OF OPINION</u>

9.   As described in more detail below, it is my opinion that claims 1 and 9 of the '922 patent would have been obvious to a person of ordinary skill in the art as of October 22, 1999, which I understand is the earliest date of the purported invention claimed in the '922 patent, based on any one of the following grounds:

(1)   Obviousness over U.S. Patent No. 5,864,540 ("Bonomi") in view of

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