

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.

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Case IPR2019-00211  
Patent 7,953,857

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DECLARATION OF DEAN SIROVICA, PH.D.

IPR2019-00211  
Patent 7,953,857

1. I, Dean Sirovica, Ph.D., am making this declaration at the request of Nomadix in the matter of IPR2019-00211 before the Patent Trial and Appeal Board (PTAB) of the United States Patent and Trademark Office, which involves Guest Tek Interactive Entertainment Ltd.'s petition for *inter partes* review of U.S. Patent No. 7,953,857 (“the ’857 patent”).

2. I am being compensated for my work in this matter on an hourly-fee basis. My compensation does not depend in any way on the outcome of this proceeding.

3. In this declaration, I will use the following abbreviations for the following documents, which I have reviewed and considered:

<i>Record Citation</i>	<i>Reference</i>	<i>Shorthand Name</i>
Exhibit 1001	U.S. Patent No. 7,953,857	'857 patent
Exhibit 1002	Declaration of Dr. Peter Dordal	Dordal Decl.
Exhibit 1004	U.S. Patent No. 5,864,540	Bonomi
Exhibit 1005	U.S. Patent No. 7,392,279	Chandran
Exhibit 1006	U.S. Patent No. 6,587,433	Borella
Exhibit 1007	<i>INDEX: A Platform for Determining how People Value the Quality of their Internet Access</i>	Rupp
Exhibit 1008	U.S. Patent No. 5,623,492	Teraslinna
Exhibit 1012	Declaration of Gerard P. Grenier	Grenier Decl.
Paper 1	Petition for <i>Inter Partes</i> Review of U.S. Patent No. 7,953,857	Petition

## I. PROFESSIONAL BACKGROUND

4. I received a B.Sc. in Electronic Engineering from the University of Sussex in 1982 and a Ph.D. in Computer Networking from the University of Sussex in 1988. I also received an M.B.A. from Golden Gate University in 2000.

5. I am a technical consultant and a founding partner of Xona Partners, an advisory firm specializing in telecommunications, media, and technology.

6. The work for my Ph.D. involved research into communications networks and network management. Following my Ph.D., I stayed in academia

conducting research in networking and network management for both asynchronous transfer mode (ATM) networks and Internet Protocol (IP) networks. I was project manager for large United Kingdom Government and European Union funded research projects aimed at developing the next generation of networking standards. I worked on the UK Alvey programme, project Admiral, which was a 65 person-year research project developing techniques to support large distributed systems running over high performance IP networks. I also led the RACE project Nemesys, which was a 74 person-year research project to apply advanced information processing techniques in traffic and quality of service management to IP and ATM networks.

7. Since 1990, I have held both technical and managerial positions at various mobile phone and wireless communications companies such as Huawei, Vodafone Group Plc, AirTouch Cellular, Sprint PCS/Cox Communications, and USWEST Technologies.

8. In 1999, I created and was the founding chairman and president of the Mobile Wireless Internet Forum (MWIF). The aim of the MWIF was to fuse the telephony industry based on ATM networks and the Internet industry based on IP networks. MWIF was comprised of most major service providers and manufacturers from both industries.

9. During my Ph.D. studies in the 1980s, I began actively participating and contributing to industry groups and other standards bodies. Throughout my career, I have continued to be actively involved in these industry groups. For example, I have held leadership and board positions, led and managed the development of communications standards, and attended and presented at conferences. Some of the industry groups and standard bodies in which I have participated include the Telecommunication Standardization Sector of the International Telecommunications Union (referred to as ITU-T or CCITT), ETSI, ATM Forum, Internet Engineering Task Force (IETF), the 3<sup>rd</sup> Generation Partnership Project (3GPP), the 3<sup>rd</sup> Generation Partnership Project 2 (3GPP2), MWIF, Open Mobile Alliance (OMA), and the Institute of Electrical and Electronic Engineers (IEEE).

10. I am a Senior Member of IEEE and have been a member since 1983. I have held leadership positions in the Oakland East Bay Chapter of the IEEE Communications Society, including Chairman. I am currently the Treasurer of that chapter. I have attended and presented at numerous IEEE conferences over the course of my career.

## **II. SCOPE OF ANALYSIS**

11. I understand that this proceeding involves subjects related to the patentability of claims 1 and 9 of the '857 patent. I have been asked to offer

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