IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent of:	Robert J. Davies	
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Title:	COMMUNICATION SYSTEM	

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DECLARATION OF MR. PETER RYSAVY

I, Peter Rysavy, do hereby declare as follows:

1. I am over the age of 18, have personal knowledge of the facts set forth herein, and am competent to testify to the same. I am not being compensated for my time spent on this declaration and my compensation is not affected by the outcome of this IPR.

2. I graduated with BSEE and MSEE degrees from Stanford University in 1979.

3. From 1988 to 1993, I was vice president of engineering and technology at Traveling Software (later renamed LapLink), at which projects included LapLink, LapLink Wireless, and connectivity solutions for a wide variety of mobile platforms. During this period, I was responsible for evaluating wireless technologies for use with the LapLink file transfer and synchronization product family. I also managed the development of a short-range wireless modem called LapLink Wireless that replaced a serial-data cable connection between computers. Prior to Traveling Software, I spent seven years at Fluke Corporation, where I worked on data-acquisition products and touch-screen technology.

4. I am the president of the consulting firm Rysavy Research LLC and have worked as a consultant in the field of wireless technology since 1993. As a consultant I specialize in wireless technology. One of my clients in 1994 was McCaw Cellular (which later became AT&T Wireless), the leading U.S. cellular

company at the time. I did multiple projects for McCaw Cellular, helping me develop my expertise in wireless and cellular technology.

5. Beginning in 1994, I began teaching public wireless courses, including courses that I taught at Portland State University and the University of California, Los Angeles. These courses included content about paging networks, cellular networks (1G to 5G), mobile-data networks, Wi-Fi (IEEE 802.11), Bluetooth, IR-based technologies (IEEE 802.11 and IRDA), satellite systems, and mobile-application architectures.

6. I have written more than one hundred and eighty articles, reports, and papers, and have taught more than forty public courses and webcasts, on wireless technology, including both RF- and IR-based systems. I have also performed technical evaluations of many wireless technologies including mobile browser technologies, wireless e-mail systems, municipal/mesh Wi-Fi networks, Wi-Fi hotspot networks, cellular-data services, and social networking applications.

7. Further detail on my background and work experience, along with a list of my publications and the cases in which I have given testimony in the past four years, is contained in my CV in Appendix A1.

The Bluetooth Specification

8. I have reviewed a copy of Ex.1014 in these IPR proceedings. Ex. 1014 was published by the Bluetooth Special Interest Group ("SIG"), and was a well-known specification in the wireless industry upon its publication in December 1999. Its full title is "Specification of the Bluetooth System" and its title page reflects that it is the "Core" specification, defining implementation details that developers used to create devices that can communicate using the Bluetooth Protocol. I recall the Bluetooth Specification being published in 1999 and personally reviewed it in 2000, before publishing my article "Wireless Wonders Coming Your Way" in May 2000. This article is available at the following link: https://rysavyresearch.files.wordpress.com/2017/08/2000_05_wireless_wonders.pdf. Ex.1036. I also presented on the Bluetooth Protocol in October 2000, as part of a full day course on "Wireless Data Networks" that I delivered at the WEB2000 industry conference, further confirming my recollection that I reviewed and consulted the Bluetooth Specification numerous times in the year after its publication.

9. I recall that the Bluetooth Specification was published and made available for free download from the Bluetooth website: https://www.bluetooth.com/. This recollection is confirmed by archived pages from the Bluetooth website, showing that on December 6, 1999, the "Bluetooth

Specification V 1.0 B [was] published on the Bluetooth.com website." https://web.archive.org/web/20000517192715/http://www.bluetooth.com/text/news/archive/archive.asp?news=2 (Ex.1037); *see also* https://web.archive.org/web/20000518114920/http://www.bluetooth.com/text/news/archive/archive.asp?news=list. Ex.1038. It is further confirmed by patents issuing from applications filed in early 2000. *See* Ex. 1031, 5:35-39 (patent issuing from January 2000 application, stating "[t]he communications industry has adopted the Bluetooth Specification as a recommended communications technique for short distance wireless RF communication applications. The Bluetooth Specification can be found at www.Bluetooth.com or www.Bluetooth.net."); Ex. 1032, 8:25-38 (patent issued from application filed March 2000 describing Bluetooth and the Bluetooth 1.0 specification, and noting that "[t]he Specification may be accessed on the Web at www.bluetooth.com."). Having reviewed the Bluetooth Specification (Ex. 1014), I believe it to be a true and correct copy of the Core Bluetooth Specification that was publicly available by December 1999.

10. I declare under penalty of perjury that the foregoing is true and correct. I hereby 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 the knowledge that willful false

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