Filed on behalf of Petitioner
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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

RPX Corporation

Petitioner

v.

Applications in Internet Time, LLC

Patent Owner

Case No. TBD

Patent No. 7,356,482

DECLARATION OF MARK E. CROVELLA, PH.D.

RPX Exhibit 1002
RPX v. AIT

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I, Mark E. Crovella, Ph.D., declare:

1. I have been retained by Petitioner RPX Corporation ("RPX"), to assess U.S. Patent No. 7,356,482 ("the '482 patent). I am being compensated for my time at a rate of $450 per hour, plus actual expenses. My compensation is not dependent in any way upon the outcome of RPX's petitions. I understand that this Declaration is being submitted in connection with two petitions regarding the same '482 patent, and that while many of the exhibits to both petitions are the same, they are required to have different numbering. Therefore, when I cite to an exhibit in this Declaration, I provide both of the exhibit's numbers, one for each petition. For example, the '482 patent is Ex. 1001 in one petition and Ex. 1101 in the other petition; I therefore cite it as "Ex. 1001/1101".

I. PERSONAL AND PROFESSIONAL BACKGROUND

2. I am Professor and Chair of the Department of Computer Science at Boston University. I received an undergraduate degree in Biology from Cornell University in 1982. I received a master's degree in Computer Science from the University of Buffalo in 1989. I received a Ph.D. in Computer Science from the University of Rochester in 1994. The subject of my Ph.D. thesis was "Performance Prediction and Tuning of Parallel Programs."

3. From 1982 to 1984 I worked as a computer programmer for the State of Colorado. From 1984 to 1994 I was employed at Calspan Corporation, a

research and development firm in Buffalo, NY, where I rose to the level of Senior Computer Scientist. My work at Calspan focused on development of experimental software and large-scale simulation software in support of contracts between Calspan and the U.S. Department of Defense.

4. In 1994, I joined the faculty of Boston University as an Assistant Professor of Computer Science. I was promoted to the rank of Associate Professor in 2000 and became a full Professor in 2006. Since 2013, I have served as Chair of the Department of Computer Science.

5. I am well versed in application development architectures for client-server computing systems. For example, I developed large-scale client-server software for simulating radar systems in my position at Calspan, and I developed client-server applications for financial management in my position at the State of Colorado.

6. My detailed employment background, professional experience, and list of technical papers and books are contained in my CV. (Ex. 1003/1103).

7. Prior to reviewing the '482 patent, I was well familiar with the subject matter described and claimed in the '482 patent. The '482 patent concerns systems and methods for "dynamically generating an application." (Ex. 1001/1101 at 33:34, 34:54.) All of the '482 patent claims require generation of an application and/or its user interface (UI) using a multi-layered architecture. I am an expert in

the field of computer application development, including in multi-layered architectures for application UI generation.

II. MATERIALS REVIEWED AND CONSIDERED

8. In connection with my work on this matter, I have reviewed the '482 patent (Ex. 1001/1101) as well as the other following documents:

EXHIBIT	DESCRIPTION
1001/1101	U.S. Patent No. 7,356,482 ("the '482 patent")
1010/1110	Glenn E. Krasner and Stephen T. Pope, *A Description of the Model-View-Controller User Interface Paradigm in the Smalltalk-80 System*, ParcPlace Systems, 1988 ("Krasner")
1004/1104	U.S. Patent No. 6,249,291 ("Popp")
1005/1105	Srdjan Kovacevic, *Flexible, Dynamic User Interfaces for Web-Delivered Training*, Proceedings of the Workshop on Advanced Visual Interfaces, 1996 ("Kovacevic")
1006/1106	U.S. Patent No. 5,806,071 ("Balderrama")
1007/1107	*Java Complete!*, Datamation, March 1, 1996, pp. 28-49 ("Java Complete")
1008/1108	E. F. Codd, *Does your DBMS run by the rules?*, ComputerWorld, October 21, 1985, pp. 49-60 ("Codd")
1009/1109	U.S. Patent No. 5,710,900 ("Anand")

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