

Exhibit 1002

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Applicants: Keith A. Lowery, et al.

**Title: Method and System for Dynamic
Distributed Data Caching**

Mail Stop *Inter Partes* Review

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

DECLARATION OF DR. PETER B. DANZIG

I, Peter B. Danzig, hereby declare the following:

I. BACKGROUND AND EDUCATION

1. I am an adjunct professor of Computer Engineering at the University of California Santa Cruz (“UCSC”). I am an expert in the fields of distributed caching, resource discovery, and computer networks generally. I have a B.S. in Applied Physics from the University of California Davis (1982) and a Ph.D. in Computer Science from the University of California Berkeley (1989). Although I discuss my expert qualifications in more detail below, I also attach as **[Exhibit**

2. I have been an adjunct professor at UCSC since 2010. In the years from 2001 to 2005 and 2009 to 2010 I taught and lectured at Stanford University in courses relating to computer networks and distributed systems. From 1996 to 1999 I was an associate professor of the Computer Science Department at the University of Southern California (“USC”). The years preceding that, beginning 1990, I was an assistant professor of Computer Science at USC. I have taught courses to undergraduates, master’s students, and Ph.D. students on a variety of topics related to computer networks and distributed systems.

3. While at USC, I performed extensive research on Internet “object caches,” including the commonly known “Harvest Web Cache” (later known as “Squid”), which was developed under my guidance. Internet object caches such as the Harvest Web Cache generally permit methods for storing Internet information in a manner that makes the information more accessible to client browsers, facilitating more speedy access by the public to files located across networks.

4. I have over two-dozen conference and journal publications issued from the late 1980s to the late 1990s, many of which have substance pertinent to the caching and retrieving content throughout a distributed network of computers.

implementation for the leading Internet web caches, as well as the basis for the most successful commercial cache implementations for the Internet. For example, my work served as the basis for most Content Delivery Networks, Squid, the Cisco cache engine, and Network Appliance's NetCache. I also have received several awards for my work, including: being named a National Young Investigator (NYI) by the National Science Foundation from 1994 through 1999; the University of Southern California Innovative Teaching Award (awarded to me twice); and the Demetri Angelakos Service Award, presented by the Department of Computer Science at the University of California-Berkeley.

5. In addition to my academic work, I have extensive industry experience related to Internet caching technology. In 1996, I founded Internet Middleware Corporation to build the first industry grade web cache. Internet Middleware Corporation was acquired by Network Appliance in 1997. I served as chief architect and CTO of Network Appliance's NetCache division. In 1999, I left Network Appliance and built the west coast engineering office of Akamai Technologies, Inc. ("Akamai"). I was the Vice President of Technology for Akamai Technology's west coast team, where I directed engineering and business

to discussion of proxy caches.

6. As a result of my experience, I have been on a number of technical advisory boards for companies that deal with technologies regarding: content distribution; data flow and delivery of network resources; and cloud storage systems, to name a few. I have also offered significant applicable consulting work. Currently, I am the Chief Strategy Officer at Virtuata, Inc. and have been such, since I founded the company in 2010. Virtuata, Inc. provides capabilities for securing information in data centers and cloud environments. Cisco acquired Virtuata in July of 2012 for enhanced security in virtual machines and cloud infrastructures.

7. In sum, I have over 25 years of experience in the computer science industry as a professor, entrepreneur and consultant. During this time, I have worked extensively with Internet object caches, resource discovery, content distribution, and computer networks. I have had a hand in the foundations of multiple content delivery networks as well as providing means for the applications of noteworthy Internet caches.

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