

IPR2015-00375  
Patent No. 8,074,115

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IN THE  
**UNITED STATES PATENT AND TRADEMARK OFFICE**  
BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SYMANTEC CORPORATION,

Petitioner

- vs. -

THE TRUSTEES OF COLUMBIA UNIVERSITY  
IN THE CITY OF NEW YORK,

Patent Owner

\_\_\_\_\_  
Patent No. 8,074,115  
Issued: December 6, 2011  
Inventors: Salvatore J. Stolfo, Angelos D. Keromytis, and Stelios Sidiroglou  
Title: METHODS, MEDIA AND SYSTEMS FOR DETECTING ANOMALOUS  
PROGRAM EXECUTIONS

*Inter Partes* Review No. 2015-00375

**EXHIBIT LIST**

\_\_\_\_\_  
Mail Stop Patent Board  
Patent Trial and Appeal Board  
P.O. Box 1450  
Alexandria, VA 22313-1450

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### Petitioner's Exhibit List

<b>Exhibit</b>	<b>Description</b>
1001	U.S. Patent No. 8,074,115
1002	File History of U.S. Patent No. 8,074,115
1003	Declaration of Michael T. Goodrich, Ph.D.
1004	Curriculum vitae of Michael T. Goodrich, Ph.D.
1005	<i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , Civil Action No. 3:13-cv-808, Oct. 7, 2014 Claim Construction Order (Dkt. No. 123)
1006	<i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , Civil Action No. 3:13-cv-808, Oct. 23, 2014 Claim Construction Order (Dkt. No. 146)
1007	U.S. Patent No. 5,440,723 ("Arnold")
1008	U.S. Patent No. 8,108,929 ("Agrawal")
1009	McGraw-Hill Dictionary of Scientific and Technical Terms (5 <sup>th</sup> ed. 1994)
1010	U.S. Patent Application No. 2005/0208562 ("Khazan")
1011	U.S. Patent No. 7,334,005 ("Sobel")
1012	Declaration of Michael J. Sacksteder in Support of Symantec Corporation's Unopposed Motion for <i>Pro Hac Vice</i> Admission

### Patent Owner's Exhibit List

Exhibit	Description
2001	Sheasby Declaration ISO <i>pro hac vice</i> motion
2002	Declaration of Professor Douglas C. Szajda in <i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , Civil Action No. 3:13-cv-808, Dkt. No. 106-1 (August 15, 2014)
2003	Expert Report of Dr. Richard Ford Regarding Invalidity of U.S. Patent Nos. 7,448,084, 7,913,306, 8,074,115 & 8,601,322 in <i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , Civil Action No. 3:13-cv-808 (October 17, 2014) (excerpt)
2004	Expert Report of Dr. Trent Jaeger Regarding Invalidity of U.S. Patent Nos. 7,487,544 & 7,979,907 in <i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , Civil Action No. 3:13-cv-808, (October 17, 2014) (excerpt)
2005	McGraw-Hill Dictionary of Scientific and Technical Terms (6 <sup>th</sup> ed. 2003), p 108
2006	Schölkopf, B. <i>et al.</i> , "Estimating the Support of a High-Dimensional Distribution," Microsoft Research Technical Report MSR-TR-99-87 (Nov. 27, 1999, revised Sept. 18, 2000), available at <a href="http://research.microsoft.com/pubs/69731/tr-99-87.pdf">http://research.microsoft.com/pubs/69731/tr-99-87.pdf</a> (last visited 4/1/2015)
2007	Rebecca G. Bace, <i>Intrusion Detection</i> (MacMillian Technical Publishing, 2000) (excerpt), same as Ex. 1007 of IPR2015-00372
2008	Declaration of Michael T. Goodrich, Ph.D. in Support of Petition for <i>Inter Partes</i> Review of U.S. Patent No. 7,448,084 (IPR2015-00372, Exhibit 1003)
2009	Carey Nachenberg on-line profile, available from <a href="http://www.symantec.com/about/news/resources/press_kits/bios/bio.jsp?bioid=carey_nachenberg">http://www.symantec.com/about/news/resources/press_kits/bios/bio.jsp?bioid=carey_nachenberg</a>

Exhibit	Description
2010	Deposition transcript of Carey Nachenberg in <i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , Civil Action No. 3:13-cv-808 (Sept. 26, 2014) (excerpt)
2011	<i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , No. 2015-1146 (Fed. Cir.), Opening Brief by Columbia University (Jan. 20, 2015)
2012	Richard Stallman <i>et al.</i> , Debugging with GDB (9 <sup>th</sup> Edition) (excerpt)
2013	Deposition transcript of Carey Nachenberg in <i>The Trustees of Columbia University in the City of New York v. Symantec Corp.</i> , Civil Action No. 3:13-cv-808 (Sept. 24, 2014) (excerpt)
2014	Roget's 21 <sup>st</sup> Century Thesaurus (1992), p. 694
2015	US Patent No. 7,487,544
2016	Jude Shavlik <i>et al.</i> , "Evaluating Software Sensors for Actively Profiling Windows 2000 Computer Users" (RAID 2001), same as Exhibit 1006 of IPR2015-00372
2017	Wang, K., Parekh, J. J. & Stolfo, S. J., "Anagram: A Content Anomaly Detector Resistant to Mimicry Attack," Columbia University Technical Report, available from <a href="https://mice.cs.columbia.edu/getTechreport.php?techreportID=403&amp;format=pdf&amp;">https://mice.cs.columbia.edu/getTechreport.php?techreportID=403&amp;format=pdf&amp;</a> (last visited 4/1/2015)
2018	American Heritage Dictionary of the English Language (4th ed. 2000) (excerpt)

IPR2015-00375  
Patent No. 8,074,115

Dated: September 18, 2015

Respectfully submitted,

*/s/ Brian M. Hoffman*

Brian M. Hoffman

FENWICK & WEST LLP

555 California Street, 12<sup>th</sup> Floor

San Francisco, CA 94104

Tel: (415) 875-2300

Fax: (415) 281-1350

Email: [bhoffman@fenwick.com](mailto:bhoffman@fenwick.com)

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