UNITED STATES PATENT AND TRADEMARK OFFICE
_____

BEFORE THE PATENT TRIAL AND APPEAL BOARD
_____

SYMANTEC CORPORATION
Petitioner

v.

THE TRUSTEES OF COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK
Patent Owner
_____

CASE IPR2015-00375
Patent 8,074,115

_____

EXHIBIT LIST

Mail Stop "PATENT BOARD"
Patent Trial and Appeal Board
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Petitioner's Exhibit List

Exhibit	Description
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	*The Trustees of Columbia University in the City of New York v. Symantec Corp.*, Civil Action No. 3:13-cv-808, Oct. 7, 2014 Claim Construction Order (Dkt. No. 123)
1006	*The Trustees of Columbia University in the City of New York v. Symantec Corp.*, 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 (5th ed. 1994)
1010	U.S. Patent Application No. 2005/0208562 ("Khazan")
1011	U.S. Patent No. 7,334,005 ("Sobel")
1012	Declaration by M. Sacksteder ISO PHV Admission

Patent Owner's Exhibit List

Exhibit	Description
2001	Sheasby Declaration ISO *pro hac vice* motion
2002	Declaration of Professor Douglas C. Szajda (Dkt. No. 106-1) in *The Trustees of Columbia University in the City of New York v. Symantec Corp.*, Civil Action No. 3:13-cv-808 (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 *The Trustees of Columbia University in the City of New York v. Symantec Corp.*, 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 *The Trustees of Columbia University in the City of New York v. Symantec Corp.*, Civil Action No. 3:13-cv-808 (October 17, 2014) (excerpt)
2005	McGraw-Hill Dictionary of Scientific and Technical Terms (6th ed. 2003), p 108
2006	Schölkopf, B. *et al.*, "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 http://research.microsoft.com/pubs/69731/tr-99-87.pdf (last visited 4/1/2015)
2007	Rebecca G. Bace, Intrusion Detection (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 *Inter Partes* Review of U.S. Patent No. 7,448,084 (IPR2015-00372, Exhibit 1003)
2009	Carey Nachenberg on-line profile, available from http://www.symantec.com/about/news/resources/press_kits/bios/bio.jsp?bioid=carey_nachenberg

Exhibit	Description
2010	Deposition transcript of Carey Nachenberg in *The Trustees of Columbia University in the City of New York v. Symantec Corp.*, Civil Action No. 3:13-cv-808 (Sept. 26, 2014) (excerpt)
2011	*The Trustees of Columbia University in the City of New York v. Symantec Corp.*, No. 2015-1146 (Fed. Cir.), Opening Brief by Columbia University (Jan. 20, 2015)
2012	Richard Stallman *et al.*, Debugging with GDB (9th Edition) (excerpt)
2013	Deposition transcript of Carey Nachenberg in *The Trustees of Columbia University in the City of New York v. Symantec Corp.*, Civil Action No. 3:13-cv-808 (Sept. 24, 2014) (excerpt)
2014	Roget's 21st Century Thesaurus (1992), p. 694
2015	US Patent No. 7,487,544
2016	Jude Shavlik *et al.*, "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 https://mice.cs.columbia.edu/getTechreport.php?techreportID=403&format=pdf& (last visited 4/1/2015)
2018	American Heritage Dictionary of the English Language (4th ed. 2000) (excerpt)
2019	Intentionally not used
2020	Intentionally not used
2021	Intentionally not used
2022	Intentionally not used

Exhibit	Description
2023	Intentionally not used
2024	Microsoft Computer Dictionary, Fifth Edition, 2002, p. 424
2025	McGraw-Hill Dictionary of Scientific and Technical Terms, Sixth Edition, 2003, p. 1358
2026	Microsoft Computer Dictionary, Fifth Edition, 2002, p. 229
2027	VMWare, What is virtualization? Virtualization 101	United States, http://www.vmware.com/virtualization/how-it-works.html (last visited Sept. 27, 2015)
2028	United States Provisional Patent Application 60/730,289
2029	Deposition Transcript of Dr. Michael T. Goodrich taken Sept. 28, 2015 and Sept. 30, 2015 in IPR2015-00375 and IPR2015-00377
2030	Declaration of Prof. George Cybenko
2031	Declaration of Scott M. Lewandowski
2032	Stelios Sidiroglou-Douskos Homepage, http://people.csail.mit.edu.edu/stelios (last visited Oct. 7, 2015)
2033	Eric Fosler-Lussier, *Markov Models and Hidden Markov Models: A Brief* Tutorial, TR-98-041, December 1998, http://di.ubi.pt/~jpaulo/competence/tutorials/hmm-tutorial-1.pdf.
2034	*Curriculum vitae* of Prof. George Cybenko dated August 2015
2035	John Shawe-Taylor and Blaz Zlicar, *Novelty Detection with One-Class Support Vector Machines*, in *Advances in Statistical Models for Data Analysis*, Studies in Classification, Data Analysis, and Knowledge Organization, 2015
2036	IEEE Membership and Subscription History of Prof. George Cybenko

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

WHAT WILL YOU BUILD? | sales@docketalarm.com | 1-866-77-FASTCASE

fastcase
Smarter legal research.