

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

WIZ, INC.,
Petitioner,

v.

ORCA SECURITY LTD.,
Patent Owner.

Case IPR2024-00864
Patent No. 11,663,032

PETITIONER'S UPDATED EXHIBIT LIST

Exhibit No.	Description
1001	U.S. Patent No. 11,663,032 to Shua
1002	Declaration of Dr. Angelos Stavrou
1003	<i>Curriculum Vitae</i> of Dr. Angelos Stavrou
1004	File History of U.S. Patent Application No. 18/055,150 ('032 Pat.)
1005	Scheduling Order (Dkt. No. 33), <i>Orca security ltd. v. Wiz, Inc., No. 1:23cv-00758-GBW (DDE)</i>
1006	Second Amended Complaint for Patent Infringement (Dkt. No. 15), <i>Orca security ltd. v. Wiz, Inc., No. 1:23cv-00758-GBW (DDE)</i>
1007	U.S. Patent No. 11,216,563 B1 to Veselov
1008	U.S. Publication No. 2013/0191919 A1, published July 25, 2013, to Basavapatna
1009	Wolf, "Virtualization: From the Desktop to the Enterprise" APRESS (2005)
1010	Waldspurger, "Memory Resource Management in VMware ESX Server," USENIX, Proceedings of the 5 th Symposium on Operating Systems Design and Implementation (Dec. 9-11, 2002)
1011	Goldberg, "Survey of Virtual Machine Research," COMPUTER, Vol. 7, No. 6 (June 1974)
1012	U.S. Patent No. 10,944,811 B2 to Doctor
1013	Wood, "Black-box and Gray-box Strategies for Virtual Machine Migration" NSDI '07: 4 th USENIX Symposium on Networked Systems Design & Implementation, USENIX
1014	Klemperer, "Efficient Hypervisor Based Malware Detection," Carnegie Mellon University (May 2015)

Exhibit No.	Description
1015	vSphere Web Services SDK Programming Guide, VMWare, Inc. (April 17, 2018)
1016	Souppaya, “Application Container Security Guide,” NIST Special Publication 800-190 (Sept. 2017) https://doi.org/10.6028/NIST.SP.800-190
1017	U.S. Patent No. 11,106,784 B2 to Rosendahl
1018	Scarfone, “Guide to Security for Full Virtualization Technologies: Recommendations of the National Inst. of Standards and Technology,” NIST Special Publication 800-125 (Jan. 2011)
1019	U.S. Patent No. 9,881,040 B2 to Rawat
1020	U.S. Patent No. 9,116,633 B2 to Sancheti
1021	“NIST Cloud Computing Standards Roadmap,” NIST Special Publication 500-291, Version 2 (July 2013).
1022	Roberts, “Public Cloud Service Definition,” VMware vCloud® Architecture Toolkit™ for Service Providers, VMware, Inc. (2018)
1023	ITL Bulletin, “Security Patches and the CVE Vulnerability Naming Scheme: Tools to Address Computer System Vulnerabilities,” NIST (Oct. 2002)
1024	ITL Bulletin, “Preventing and Handling Malware Incidents: How to Protect Information Technology Systems from Malicious Code and Software,” NIST (Dec. 2005)
1025	Cichonski, “Computer Security Incident Handling Guide: Recommendations of the National Institute of Standards and Technology,” NIST Special Publication 800-61, Rev. 2 (Aug. 2012) http://dx.doi.org/10.6028/NIST.SP.800-61r2
1026	ENISA Threat Landscape Report 2018, “15 top Cyberthreats and Trends” V1.0 (Jan. 2019)

Exhibit No.	Description
1027	Verizon, “2019 Data Breach Investigations Report” (May 2019)
1028	Di Pietro, “Virtualization Technologies and Cloud Security: Advantages, Issues, and Perspectives,” Springer Nature Switzerland AG (2018) https://doi.org/10.1007/978-3-030-04834-1_9
1029	Singh, “Overview of Attacks on Cloud Computing, Int’l. J. of Eng. And Innovative Technology (IJEIT), Vol. 1, Issue 4 (Apr. 2012)
1030	Bairwa, “Vulnerability Scanners: A Proactive Approach to Assess Web Application Security,” Int’l. J. on Computational Sciences & Applications (IJSCA), Vol. 4, No. 1 (Feb. 2014)
1031	Stone, “IT Asset Management,” NIST Special Publication 1800-5 (Sept. 2018) http://doi.org/10.6028/NIST.SP.1800-5
1032	EP Patent No. 3,360,071 B1 to Li
1033	Garfinkel, “A Virtual Machine Introspection Based Architecture for Intrusion Detection,” Computer Science Dept., Stanford University (2003)
1034	Tang, “VirtAV: An Agentless Runtime Antivirus System for Virtual Machines,” KSII Transactions on the Internet and Information Systems, Vol. 11, No. 11 (Nov. 2017) https://doi.org/10.3837/tiis.20171.026
1035	Lengyel, “Scalability, Fidelity and Stealth in the DRAKVUF Dynamic Malware Analysis System (2014) https://doi.org/10.1145/2664243.2664252
1036	U.S. Patent No. 8,613,080 B2 to Wysopal
1037	Bauman, “A Survey on Hypervisor-Based Monitoring: Approaches, Applications, and Evolutions,” ACM Computing Surveys, Vol. 48, No. 1, Article 10 (Aug. 2015)

Exhibit No.	Description
1038	Suneja, “Exploring VM Introspection: Techniques and Trade-offs,” ACM, VEE’15 (Mar. 2015) http://dx.doi.org/10.1145/2731186.2731196
1039	Payne, “Simplifying Virtual Machine Introspection Using LibVMI,” SANDIA Report-SAND2012-7818, Sandia National Labs. (Sep. 2012)
1040	U.S. Publication No. 2013/0111018 A1 to Ammons
1041	U.S. Patent No. 5,893,131 to Kornfeld
1042	U.S. Patent No. 7,975,305 B2 to Rubin
1043	Jiang, “Stealthy Malware Detection and Monitoring Through VMM-Based “Out-of-the-Box” Semantic View Reconstruction,” ACM Transactions on Information and System Security, Vol. 13, No. 2, Article 12 (Feb. 2010)
1044	U.S. Patent No. 9,141,805 B2 to Giakouminakis
1045	U.S. Publication No. 2019/0379700 A1 to Canzanese Jr.
1046	U.S. Patent No. 10,783,241 B2 to Crabtree
1047	Bourquin, “Binslayer: Accurate Comparison of Binary Executables,” 2nd ACM SIGPLAN Program Protection and Reverse Engineering Workshop (2013)
1048	U.S. Publication No. 2013/0247133 A1 to Price
1049	Huseinovic – VM Memory Forensics.
1050	Intentionally Left Blank
1051	Using VMware Workstation Pro: VMware Workstation Pro 14.0, VMware, Inc. (December 17, 2017)
1052	VMware VirtualCenter User’s Manual version 1.4, VMware, Inc. (July 7, 2006)

Exhibit No.	Description
1053	U.S. Publication No.2010/0070725 A1 to Prahlad
1054	U.S. Patent No. 9,830,182 B2 to Ackley
1055	Virtual Disk Programming Guide: vSphere Storage APIs for Data Protection (VADP) 6.0 & Virtual Disk Development Kit (VDDK) 6.0, VMware, Inc. (March 25, 2016)
1056	U.S. Publication No. 2015/0033221 A1 to Chari
1057	Archived copy of “CWE-200: Information Exposure,” published by MITRE and archived on January 26, 2019, by the Internet Organization’s “Wayback Machine” https://web.archive.org/web/20190126150012/https://cwe.mitre.org/data/definitions/200.html
1058	Archived copy of “CWE-311: Missing Encryption of Sensitive Data,” published by MITRE and archived on January 17, 2019, by the Internet Organization’s “Wayback Machine” https://web.archive.org/web/20190117150049/https://cwe.mitre.org/data/definitions/311.html
1059	Archived copy of “CWE-359: Exposure of Private Information (‘Privacy Violation’),” published by MITRE and archived on January 13, 2019, by the Internet Organization’s “Wayback Machine” https://web.archive.org/web/20190113052451/https://cwe.mitre.org/data/definitions/359.html
1060	Intentionally Left Blank
1061	Intentionally Left Blank
1062	Intentionally Left Blank
1063	U.S. Publication No. 2014/0245376 A1 to Hibbert
1064	U.S. Publication No. 2017/0180318 A1 to Lutas
1065	U.S. Patent No. 9,900,333 B2 to Thakar

Exhibit No.	Description
1066	Zhou, “Always Up-to-date—Scalable Offline Patching of VM Images in a Compute Cloud,” 26th annual computer security applications conference (2010)
1067	Jeswani, “ImageElves: Rapid and Reliable System Updates in the Cloud,” 2013 IEEE 33rd International Conference on Distributed Computing Systems (2013)
1068	U.S. Patent No. 8,984,478 B2 to Epstein
1069	U.S. Patent No. 11,061,682 B2 to Vorbach
1070	U.S. Publication No. 2013/0024940 A1 to Hutchins
1071	U.S. Patent No. 9,875,160 B2 to Bezbaruah
1072	U.S. Patent No. 10,536,471 B1 to Derbeko
1073	Ammons, “Virtual machine images as structured data: the Mirage image library,” 3rd USENIX conference on Hot topics in cloud computing (2011)
1074	VMware Infrastructure Architecture Overview White Paper, VMWare, Inc. (2006)
1075	U.S. Patent No. 9,692,778 B1 to Mohanty
1076	U.S. Patent No. 10,055,576 B2 to Milner
1077	U.S. Patent No. 9,824,216 B1 to Khalid
1078	U.S. Publication No. 2020/0097662 A1 to Hufsmith
1079	Carroll, “Challenges in Modern Digital Investigative Analysis,” published in Forensic Science and Forensic Evidence I, U.S. Att’y’s Bull. Vol. 65 No. 1 (January 2017)
1080	U.S. Patent No. 7,831,739 B2 to Lambeth
1081	U.S. Publication No. 2010/0169948 A1 to Budko

Exhibit No.	Description
1082	United States District Courts—National Judicial Caseload Profile (December 31, 2023) https://www.uscourts.gov/sites/default/files/fcms_na_distprofile1231.2023_0.pdf
1083	Orca Security Ltd., v. Wiz, Inc., C.A. No. 23-758-JLH – Doc. 170 Wiz, Inc.’s Stipulation Concerning Invalidity Grounds (October 10, 2024)

Respectfully submitted,

Date: October 11, 2024

/ Matthew A. Argenti /
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CERTIFICATE OF SERVICE

The undersigned certifies that the foregoing Petitioner's Updated Exhibit List and EX1083 were served October 11, 2024, on the Patent Owner at the electronic service addresses as follows:

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