Paper No. 12

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.,

Petitioner,

v.

NETLIST, INC.,

Patent Owner

IPR2025-01431
Patent 10,025,731

PETITIONER'S UPDATED EXHIBIT LIST

EXHIBIT LIST

Exhibit #	Description
1001	U.S. Patent No. 10,025,731
1002	File History of U.S. Patent No. 10,025,731 (Application No. 14/715,491), *available at* <https://patentcenter.uspto.gov/applications/14715491/ifw/docs?application=>
1003	Declaration of Dr. Andrew Wolfe
1004	Curriculum Vitae of Dr. Andrew Wolfe
1005	U.S. Patent App. Publication No. 2006/0277355 by Ellsberry et al.
1006	U.S. Patent No. 7,024,518 to Halbert et al.
1007	U.S. Patent Application Publication No. 2006/0117152 to Amidi et al.
1008	U.S. Patent Application Publication No. 2006/0262586 by Solomon et al.
1009	JEDEC Standard Double Data Rate (DDR) SDRAM Specification, JESD79 (June 2000)
1010	JEDEC Standard 21-C, DDR SDRAM Registered DIMM Design Specification (January 2002)
1011	JEDEC Standard DDR2 SDRAM Specification, JESD79-2B (January 2005)
1012	Declaration of John J. Kelly Regarding Records of Joint Electron Device Engineering Council (JEDEC)
1013	U.S. Patent No. 7,289,386 to Bhakta et al.
1014	U.S. Patent No. 7,532,537 to Solomon et al.
1015	U.S. Patent No. 8,417,870 to Lee et al.
1016	U.S. Patent Application Publication No. 2005/0052200 to Nguyen et al.
1017	U.S. Patent No. 8,516,185 to Lee et al.
1018	U.S. Patent No. 7,020,818 to Dour et al.
1019	U.S. Patent Application Publication No. 2007/0247185 to Oie et al.
1020	U.S. Patent No. 7,079,446 to Murtagh et al.
1021	U.S. Patent No. 7,646,213 to Kao

Exhibit #	Description
1022	U.S. Provisional Application No. 61/044,839 (filed Apr. 14, 2008), *available at* <https://patentcenter.uspto.gov/applications/61044839/ifw/docs?application=>
1023	U.S. Provisional Application No. 61/044,825 (filed Apr. 14, 2008), *available at* <https://patentcenter.uspto.gov/applications/61044825/ifw/docs?application=>
1024	U.S. Provisional Application No. 61/044,801 (filed Apr. 14, 2008), *available at* <https://patentcenter.uspto.gov/applications/61044801/ifw/docs?application=>
1025	File History of U.S. Patent Application No. 12/422,853 (filed Apr. 13, 2009), *available at* <https://patentcenter.uspto.gov/applications/12422853/ifw/docs?application=>
1026	U.S. Patent No. 8,154,901
1027	File History of U.S. Patent Application No. 13/412,243 (filed Mar. 5, 2012), *available at* <https://patentcenter.uspto.gov/applications/13412243/ifw/docs?application=>
1028	U.S. Patent No. 8,782,350
1029	File History of U.S. Patent Application No. 14/324,990 (filed July 7, 2014), *available at* <https://patentcenter.uspto.gov/applications/14324990/ifw/docs?application=>
1030	U.S. Patent No. 9,037,809
1031	U.S. Patent No. 7,782,082 to Oh et al.
1032	U.S. Patent No. 7,977,968 to Kim et al.
1033	U.S. Patent No. 7,945,793 to Wilcox
1034	U.S. Patent No. 7,068,064 to Yen
1035	Stone, H.S. *Microcomputer Interfacing*, Reading, MA: Addison Wesley, 1982
1036	U.S. Patent Application Publication No. 2006/0066351 to Lau

Exhibit #	Description
1037	Stephen Brown et al., *Fundamentals of Digital Logic with Verilog Design* (2d ed. 2008)
1038	Applications Note: Understanding DRAM Operation, IBM (1996), downloaded from https://web.archive.org/web/20150619221528/https://compas.cs.stonybrook.edu/~nhonarmand/courses/sp15/cse502/res/dramop.pdf [EX2010 in IPR2022-00639]
1039	U.S. Patent Application Publication No. 2008/0218290 to Abadeer et al.
1040	Bruce Jacob, *Synchronous DRAM Architectures, Organizations, and Alternative Technologies* (Dec. 10, 2002)
1041	Bruce Jacob et al., Memory System: Cache, DRAM, Disk (2008) (excerpts)
1042	Proposed First Amended Complaint, *Samsung Electronics Co., Ltd. et al. v. Netlist, Inc.*, No. 1:25-cv-00626 (D. Del. filed Aug. 1, 2025) (U.S. Patent No. 10,025,731)
1043	Complaint in *Micron Technology, Inc. et al. v. Netlist, Inc.*, No. 1:25-cv-00863 (D. Del. filed July 10, 2025) (U.S. Patent No. 10,025,731)
1044	First Amended Complaint, *Netlist, Inc. v. Samsung Electronics Co., Ltd. et al.*, No. 2:25-cv-00557 (E.D. Tex. filed July 8, 2025) (U.S. Patent No. 10,025,731)
1045	First Amended Complaint, *Netlist, Inc. v. Micron Technology, Inc.*, No. 2:25-cv-00558 (E.D. Tex. filed July 8, 2025) (U.S. Patent No. 10,025,731)
1046	Netlist's infringement contentions against Samsung (Redacted Exhibit B-1) in *Netlist, Inc. v. Samsung Electronics Co., Ltd. et al.*, No. 2:25-cv-00557 (E.D. Tex. July 16, 2025) (U.S. Patent No. 10,025,731)
1047	Netlist's infringement contentions against Samsung (Redacted Exhibit B-2) in *Netlist, Inc. v. Samsung Electronics Co., Ltd. et al.*, No. 2:25-cv-00557 (E.D. Tex. July 16, 2025) (U.S. Patent No. 10,025,731)

Exhibit #	Description
1048	JEDEC Standard DDR3 SDRAM Standard, JESD79-3 (June 2007), *available at* <https://web.archive.org/web/20070717214353/http://www.jedec.org/Catalog/display.cfm>, <https://web.archive.org/web/20070926225257/http://www.jedec.org/DOWNLOAD/search/JESD79-3.pdf>
1049	Declaration of Julie Carlson re: JEDEC Standard Double Data Rate (DDR) SDRAM Specification, JESD79 (June 2000)
1050	Declaration of Julie Carlson re: JEDEC Standard 21-C, DDR SDRAM Registered DIMM Design Specification (January 2002)
1051	JEDEC Standard DDR2 SDRAM Specification, JESD79-2A (January 2004)
1052	Declaration of Julie Carlson re: JEDEC Standard DDR2 SDRAM Specification, JESD79-2A (January 2004)
1053	Final Written Decision, *SK hynix Inc. et al. v. Netlist, Inc.*, IPR2017-00577, Paper No. 26 (July 5, 2018) (U.S. Patent No. 8,516,185)
1054	U.S. Patent No. 9,606,907
1055	[omitted]
1056	[omitted]
1057	[omitted]
1058	[omitted]
1059	[omitted]
1060	[omitted]
1061	[omitted]
1062	Final Written Decision, *SK hynix Inc. et al. v. Netlist, Inc.*, IPR2018-00362 and -00363, Paper No. 29 (PTAB June 27, 2019) ('907 patent)
1063	[omitted]
1064	Dismissal of Patent Owner's Appeal in IPR2018-00362 and -00363 (July 15, 2020) ('907 patent)
1065	U.S. Patent 10,949,339
1066	Final Written Decision, *Samsung Electronics Co., Ltd. et al. v. Netlist, Inc.*, IPR2022-00639, Paper 45 (PTAB Oct. 18, 2023) ('339 patent)

Exhibit #	Description
1067	Decision Denying Patent Owner's Request on Rehearing of Final Written Decision, *Samsung Electronics Co., Ltd. et al. v. Netlist, Inc.*, IPR2022-00639, Paper 48 (PTAB Feb. 9, 2024) ('339 patent)
1068	[omitted]
1069	[omitted]
1070	[omitted]
1071	[omitted]
1072	[omitted]
1073	[omitted]
1074	[omitted]
1075	[omitted]
1076	[omitted]
1077	[omitted]
1078	Final Written Decision, *Samsung Electronics Co., Ltd. et al. v. Netlist, Inc.*, IPR2022-00615, Paper 96 (PTAB Apr. 17, 2024) ('912 patent)
1079	U.S. Patent No. 7,619,912 ('912 patent)
1080	Final Written Decision, *SK hynix Inc. et al. v. Netlist, Inc.*, IPR2017-00549, Paper No. 30 (PTAB May 3, 2018) ('364 patent)
1081	U.S. Patent No. 8,756,364 ('364 patent)
1082	U.S. Patent Application Publication No. 2002/0112119 to Halbert et al.
1083	U.S. Patent No. 8,250,295 to Amidi et al.
1084	U.S. Patent No. 9,014,318 to Hollis
1085	Netlist's Technology Tutorial
1086	JEDEC Standard, FBDIMM: Advanced Memory Buffer (AMB), JESD82-20 (March 2007) ("JESD82-20")
1087	DDR2 SDRAM datasheet (2006), *available at* <https://web.archive.org/web/20060324202631/http://www.micron.com/products/dram/ddr2sdram/part.aspx?part=MT47H128M8BT-3>, <https://web.archive.org/web/20060324085459/http://download.micron.com/pdf/datasheets/dram/ddr2/1GbDDR2.pdf>

Exhibit #	Description
1088	Declaration of Julie Carlson for JESD82-20
1089	Transcript of deposition of Andrew Wolfe, Ph.D. (Jan. 4, 2023) in IPR2022-00615 ('912 patent) [EX2103 in IPR2022-00615]
1090	Transcript of deposition of Michael C. Brogioli, Ph.D. (Oct 3, 2023) in IPR2022-00615 ('912 patent) [EX1101 in IPR2022-00615]
1091	[omitted]
1092	Transcript of deposition of Michael C. Brogioli, Ph.D. (Mar. 30, 2023) in IPR2022-00639 ('339 patent)
1093	Invalidity claim chart by Dr. Andrew Wolfe
1094	Netlist Form 10-K (Annual Report) for 2023, *available at* <https://investors.netlist.com/filings-financials/sec-filings>.
1095	Netlist Form 10-K (Annual Report) for 2024, *available at* <https://investors.netlist.com/filings-financials/sec-filings>.
1096	Netlist Form 10-Q (Quarterly Report) through September 2025, *available at* <https://investors.netlist.com/filings-financials/sec-filings>.
1097	Final Written Decision, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2022-00999, Paper 51 (PTAB Dec. 5, 2023) (U.S. Patent No. 11,232,054)
1098	Final Written Decision, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2022-00996, Paper 49 (PTAB Dec. 6, 2023) (U.S. Patent No. 11,016,918)
1099	Order Denying Director Review, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2022-00996 and -00999, Papers 53 & 56 (PTAB Mar. 18, 2024) (U.S. Patent Nos. 11,016,918 and 11,232,054)
1100	[omitted]
1101	Order Denying Director Review, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2022-00615, Paper 103 (PTAB July 10, 2024) (U.S. Patent No. 7,619,912)
1102	Final Written Decision, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2023-00454, Paper 45 (PTAB July 30, 2024) (U.S. Patent No. 11,093,417)

Exhibit #	Description
1103	Order Denying Director Review, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2023-00454, Paper 47 (PTAB Oct. 8, 2024) (U.S. Patent No. 11,093,417)
1104	Notice of Oral Argument on December 5, 2025, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, No. 2025-1378 (Fed. Cir. Oct. 21, 2025) (IPR2023-00847 of U.S. Patent No. 10,268,608)
1105	Order Granting Motion to Stay, *Samsung Electronics Co., Ltd. et al. v. Netlist, Inc.*, No. 1:21-cv-01453 (D. Del. Dec. 1, 2023) (U.S. Patent No. 10,217,523)
1106	Samsung's Motion to Dismiss for Improper Venue, *Netlist, Inc. v. Samsung Electronics Co., Ltd. et al.*, No. 2:25-cv-00557 (E.D. Tex. Nov. 24, 2025) (U.S. Patent No. 10,025,731)
1107	Micron's Motion to Dismiss for Improper Venue, *Netlist, Inc. v. Micron Technology, Inc. et al.*, No. 2:25-cv-00558 (E.D. Tex. July 22, 2025) (U.S. Patent No. 10,025,731)
1108	U.S. District Courts–Combined Civil and Criminal Federal Court Management Statistics (March 31, 2025), *available at* <https://www.uscourts.gov/data-news/data-tables/2025/03/31/federal-court-management-statistics/n-a-1>
1109	ITC, Notice of Receipt of Complaint, 90 Fed. Reg. 51,406 (Nov. 17, 2025), *available at* <https://www.federalregister.gov/documents/2025/11/17/2025-19973/notice-of-receipt-of-complaint-solicitation-of-comments-relating-to-the-public-interest>
1110	ITC, Tolling of Deadlines (Nov. 14, 2025), *available at* <https://www.usitc.gov/press_room/2025_lapse_of_appropriations>
1111	Section 337 Statistics: Average Length of Investigations (Apr. 11, 2025), *available at* <https://www.usitc.gov/intellectual_property/337_statistics_average_length_investigations.htm>
1112	Memorandum re: Director Institution of AIA Trial Proceedings (Oct. 17, 2025), *available at* <https://www.uspto.gov/subscription-center/2025/director-institution-aia-trial-proceedings>

Exhibit #	Description
1113	Memorandum re: Interim Processes for PTAB Workload Management (Mar. 26, 2025), *available at* <https://www.uspto.gov/subscription-center/2025/uspto-issues-new-interim-process-concerning-institution-aia-proceedings>
1114	Memorandum re: Final Written Decision Procedures for AIA Trial Proceedings (July 29, 2025), *available at* <https://www.uspto.gov/subscription-center/2025/ptab-issued-memorandum-aia-trials>
1115	Samsung Semiconductor, About Us, *available at* <https://semiconductor.samsung.com/about-us/locations/us/>
1116	Samsung Semiconductor, Inc., Articles of Incorporation in California (July 13, 1992), *available at* <https://bizfileonline.sos.ca.gov/search/business>
1117	Samsung Semiconductor, Inc., California Statement of Information (Apr. 15, 2025), *available at* <https://bizfileonline.sos.ca.gov/search/business>
1118	Final Written Decision, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2022-01428, Paper 48 (PTAB Apr. 1, 2024) (U.S. Patent No. 8,787,060)
1119	Final Written Decision, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2022-01427, Paper 48 (PTAB Apr. 1, 2024) (U.S. Patent No. 9,318,160)
1120	Order Denying Director Review, *Samsung Electronics Co., Ltd. v. Netlist, Inc.*, IPR2022-01427 and -01428, Paper 52 (PTAB June 17, 2024)
1121	Memorandum re: Guidance on USPTO's recission of "Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation" (Mar. 24, 2025), *available at* <https://www.uspto.gov/patents/ptab/resources>
1122	Complaint, *Netlist, Inc. v. Samsung Electronics Co., Ltd. et al.*, No. 2:21-cv-00463 (E.D. Tex. filed Dec. 20, 2021) (accusing DDR5 RDIMMs, DDR5 SODIMMs, and DDR5 UDIMMs of infringement)

Exhibit #	Description
1123	CPC Classification G06F (Electrical Digital Data Processing), *available at* <https://www.uspto.gov/web/patents/classification/cpc/html/cpc-G06F.html>
1124	CPC Classification G11C (Static Stores), *available at* <https://www.uspto.gov/web/patents/classification/cpc/html/cpc-G11C.html>
1125	Class 326 (Electronic Digital Logic Circuitry), *available at* <https://www.uspto.gov/web/patents/classification/uspc326/sched326.htm>
1126	Samsung investments in the United States, *available at* <https://semiconductor.samsung.com/sas/company/taylor/>
1127 [NEW]	Notice postponing vote on institution until December 29, 2025, *In the Matter of Certain Dynamic Random Access Memory (DRAM) Devices, Products Containing the Same, and Components Thereof*, Inv. No. 337-TA-3854 (USITC Dec. 10, 2025) (U.S. Patent No. 10,025,731)
1128 [NEW]	Samsung's withdrawal of indefiniteness contentions, *Netlist, Inc. v. Samsung Electronics Co., Ltd. et al.*, No. 2:25-cv-00557 (E.D. Tex. Dec. 16, 2025) (U.S. Patent No. 10,025,731)

Dated: December 16, 2025

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CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), I certify that on this 16th day of December, 2025, **Petitioner's Updated Exhibit List** and **Exhibits 1127–28** were served by email on the following counsel for Patent Owner:

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