

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY LTD.,
Petitioner,

v.

ADVANCED INTEGRATED CIRCUIT PROCESS LLC,
Patent Owner.

IPR2025-01302
U.S. Patent 8,884,373

PETITIONER'S UPDATED EXHIBIT LIST

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

Pursuant to 37 C.F.R. § 42.63(e), Petitioner Taiwan Semiconductor

Manufacturing Company Ltd. hereby submits a current listing of exhibits. Exhibits TSMC-1020 through TSMC-1024, TSMC-1041 through 1058, and TSMC-1060 through TSMC-1064 are being filed today.

Exhibit	Description
1001	U.S. Patent 8,884,373 to Sato et al. (“the ‘373 patent”)
1002	File History of U.S. Patent 8,884,373 (“‘373 File History”)
1003	Declaration of Dr. Jack Lee in Support of IPR Petition
1004	CV of Dr. Jack Lee
1005	Translated Excerpts from File History of Japanese Patent No. 5857225 to Sato et al. (“JP ‘225 patent”) (Japanese counterpart of the ‘373 Patent)
1006	U.S. Publication 2008/0036010 to Tamaki, et al. (“Tamaki”)
1007	U.S. Publication 2008/0042218 to Igarashi, et al. (“Igarashi”)
1008	Japanese Patent No. 9181194 to Sumi (“Sumi”)
1009	Certified Translation of Japanese Patent No. 9181194 to Sumi
1010	U.S. Publication 2009/0096031 to Ekbote, et al. (“Ekbote”)
1011	Plummer, J., et al., “Silicon VLSI Technology: Fundamentals, Practice and Modeling” (Prentice Hall 2000) (“Plummer”)
1012	Weste, “CMOS VLSI Design: A Circuits and Systems Perspective” (Third Edition, 2005) (“Weste”)
1013	Wolf, “Silicon Processing for the VLSI Era, Volume 4 – DeepSubmicron Process Technology” (2002) (“Wolf-4”)

Exhibit	Description
1014	Van Zant, “Microchip Fabrication” (Fifth Edition, 2004) (“Van Zant”)
1015	“International Technology Roadmap for Semiconductors: Process Integration, Devices, and Structures” (2007 Edition) (“ITRS”)
1016	U.S. Patent No. 8,355,269 to Zampaglione (“Zampaglione”)
1017	Sze, “Semiconductor Devices: Physics and Technology” (2nd Edition) (2002) (“Sze”)
1018	U.S. Patent 5,208,184 to Bayraktaroglu (“Bayraktaroglu”)
1019	TSMC’s stipulation regarding U.S. Patent Nos. 8,884,373, 8,329,572, 7,439,623, and 7,632,751
1020	Translation of Written Opinion of International Search Authority
1021	A Review of TSMC 28 nm Process Technology, available at https://www.techinsights.com/blog/review-tsmc-28-nm-process-technology
1022	Disruptive Technology: TSMC 22ULL eMRAM, available at https://www.techinsights.com/blog/memory/disruptive-technology-tsmc-22ull-emram
1023	28HPC+_22ULP - Taiwan Semiconductor Manufacturing Company Limited, available at https://www.tsmc.com/english/dedicatedFoundry/technology/plattform_DCE_28HPC_22ULP
1024	Excerpts from TSMC Invalidity Contentions in Civil Action No. 2:25-cv-324 (E.D. Tex.) (Sep. 24, 2025) (Highly Confidential – Attorneys’ Eyes Only) FILED UNDER SEAL
1025-1040	Reserved

Exhibit	Description
1041	Patent Assignment Record from Nuvoton Technology Corp. Japan to Advanced Integrated Circuit Process LLC, Reel: 068118 Frame: 0314-0317, United States Patent and Trademark Office (July 30, 2024)
1042	United States District Courts – National Judicial Caseload Profile, 12-Month Period Ending Mar. 31, 2025, U.S. Courts (2025), available at https://www.uscourts.gov/sites/default/files/document/fcms_na_distprofile0331.2025.pdf
1043	Summary of Judge Gilstrap Patent Trials Between October 22, 2024 and October 22, 2025
1044	Docket for 2:23-cv-00274 (E.D. Tex.)
1045	Docket for 2:23-cv-00379 (E.D. Tex.)
1046	Docket for 2:24-cv-00034 (E.D. Tex.)
1047	Docket for 2:24-cv-00047 (E.D. Tex.)
1048	Docket for 2:24-cv-00049 (E.D. Tex.)
1049	Jeremy Bowman, Nasdaq, This 1 Number May Ensure TSMC’s Market Dominance, The Motley Fool (Aug. 17, 2024) (last visited October 22, 2025), available at https://www.nasdaq.com/articles/1-number-may-ensure-tsmcs-market-dominance
1050	CNBC Transcript: United States Commerce Secretary Howard Lutnick Speaks with CNBC’s Brian Sullivan on “The Exchange” Today, CNBC (Apr. 29. 2025) (last visited October 22, 2025), available at

Exhibit	Description
	https://www.cnbc.com/2025/04/29/cnbc-transcript-united-states-commerce-secretary-howard-lutnick-speaks-with-cnbc-brian-sullivan-on-the-exchange-today.html
1051	Trump on China Putting - America First (Robert C. O'Brien editor)
1052	Remarks: Donald Trump Announces an Economic Investment in the United States - March 3, 2025, available at https://rollcall.com/factbase/trump/transcript/donald-trump-remarks-economic-investment-united-states-march-3-2025/#2
1053	Speech: Donald Trump Addresses an Republican Dinner in Washington - April 8, 2025, available at https://rollcall.com/factbase/trump/transcript/donald-trump-speech-nrcc-republican-dinner-april-8-2025/#161
1054	Microchip USA, How Military Tensions Are Driving the Next Semiconductor Chip Race (July 16, 2025) (last visited Aug. 12, 2025), available at https://www.microchipusa.com/industry-news/how-military-tensions-are-driving-the-next-semiconductor-chip-race?srsId=AfmBOopQdXXTBoOGl_bluj9BHhwBFREsja-0SrRhCUKPHwTIW98FCBKI
1055	Another Historic Investment Secured Under President Trump, Articles, The White House (Mar. 3, 2025) (last visited July 14, 2025), available at https://www.whitehouse.gov/articles/2025/03/another-historic-investment-secured-under-president-trump/
1056	Sujai Shivakumar and Charles Wessner, Semiconductors and National Defense: What Are the Stakes?, Center for Strategic International Studies (June 8, 2022) (last visited July 14, 2025), available at https://www.csis.org/analysis/semiconductors-and-national-defense-what-are-stakes
1057	U.S., Taiwan, and Semiconductors: A Critical Supply Chain Partnership, Final Report, Project 2049 Institute (US-Taiwan Business Counsel June 21, 2023)

Exhibit	Description
1058	Eric Lee, How Taiwan Underwrites the US Defense Industrial Complex, The Diplomat (Nov. 9, 2021) (last visited July 14, 2025), available at https://thediplomat.com/2021/11/how-taiwan-underwrites-the-us-defense-industrial-complex/
1059	Reserved
1060	Virtex 7 XQ FPGAs (last visited July 31, 2025), https://www.amd.com/en/products/adaptive-socs-and-fpgas/fpga/virtex-7-xq.html#advantages
1061	Xilinx, 7-Series Defense-Grade FPGAs: All Programmable Defense-Grade Devices with High Performance, Low Power, and 4 th Generation Security (2016) (last visited Oct. 22, 2025), available at https://www.amd.com/content/dam/amd/en/documents/products/adaptive-socs-and-fpgas/fpga/7-series/7-series-defense-grade-fpgas-product-brief.pdf
1062	Bruce Fienberg, Xilinx Ships First Artix-7 FPGAs – Raising the Performance Bar for Portable and Small Form Factor Applications at the ‘Edge’ (July 17, 2012) (last visited Oct. 22, 2025), available at https://www.prnewswire.com/news-releases/xilinx-ships-first-artix-7-fpgas---raising-the-performance-bar-for-portable-and-small-form-factor-applications-at-the-edge-162697436.html
1063	Silvia Pellegrino, What is TSMC?, Tech Monitor (Jan. 2, 2023) (last visited July 14, 2025), available at https://www.techmonitor.ai/what-is/what-is-tsmc/?cf-view
1064	Patent Owner’s Response and Objections to Petitioner’s First Request for Production of Documents (Contains Material Marked Highly Confidential – Attorneys’ Eyes Only) FILED UNDER SEAL

Date: October 28, 2025

Respectfully submitted,

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CERTIFICATE OF SERVICE

The undersigned hereby certifies that a copy of the foregoing Petitioner's Updated Exhibit List and TSMC-1020 through TSMC-1024, TSMC-1041 through TSMC-1058, and TSMC-1060 through TSMC-1064 were served via e-mail directed to counsel of record for Patent Owner at the following:

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