

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

INNOSCIENCE AMERICA, INC.,
PETITIONER,

V.

INFINEON TECHNOLOGIES AUSTRIA AG,
PATENT OWNER.

Case No. IPR2025-00010
U.S. Patent 9,070,755

PETITIONER'S UPDATED EXHIBIT LIST

Further to 37 C.F.R. § 42.63(e), Petitioner hereby submits a current listing of its exhibits to counsel for Patent Owner. Exhibit 1059 was filed on P-TACTS and served via email to counsel of record for the Patent Owner.

Exhibits	Description
Ex-1001	U.S. Patent No. 9,070,755 (“the ’755 patent”)
Ex-1002	Excerpts from Prosecution History of the ’755 Patent
Ex-1003	Expert Declaration of Dr. Yuji Zhao (“Zhao”)
Ex-1004	Curriculum Vitae of Dr. Yuji Zhao
Ex-1005	U.S. Patent No. 5,523,599 to Fujishima et al. (“Fujishima”)
Ex-1006	U.S. Patent No. 5,910,670 to Ludikhuize (“Ludikhuize”)
Ex-1007	U.S. Patent Publication No. 2006/0091498 to Sriram et al. (“Sriram”)
Ex-1008	U.S. Patent No. 7,417,257 to Beach et al. (“Beach”)
Ex-1009	U.S. Patent Publication No. 2006/0255403 Asano et al. (“Asano”)
Ex-1010	Kanamura et al., High power and high gain AlGaIn/GaN MIS-HEMTs with high-k dielectric layer, Phys. Stat. Sol., 5, No. 6, 2037–2040 (2008)
Ex-1011	Okino et al., Drain Current DLTS of AlGaIn–GaN MIS-HEMTs, IEEE Electron Device Letters, Vol. 25, No. 8 (2004)
Ex-1012	Imada et al., Enhancement-Mode GaN MIS-HEMTs for Power Supplies, The 2010 International Power Electronics Conference (2010)
Ex-1013	U.S. Patent Publication No. US2011/0073912 to Marui et al.
Ex-1014	U.S. Patent Publication No. US2010/0171150 to Smith et al.
Ex-1015	U.S. Patent Publication No. US2012/0146097 to Endo et al.

Exhibits	Description
Ex-1016	U.S. Patent Publication No. US2009/0278236 to Sato et al.
Ex-1017	U.S. Patent Publication No. US2010/0193842 to Sato et al.
Ex-1018	Excerpts from Rudiger Quay, Gallium Nitride Electronics (2008)
Ex-1019	Mishra et al., AlGaIn/GaN HEMTs—An Overview of Device
Ex-1020	Operation and Applications, Proceedings of the IEEE, Vo. 90, No. 6 (2002)
Ex-1021	Wu et al., Very-High Power Density AlGaIn/GaN HEMTs, IEEE Transactions on Electronic Devices, Vol. 48, No. 3 (2001)
Ex-1022	S.H. Lee et al., 700V Lateral DMOS with New Source Fingertip Design, Proceedings of the 20th International Symposium on Power Semiconductor Devices & IC's (2008)
Ex-1023	Excerpts from Prosecution History of the U.S. Patent No. 9,564,498 (the “’498 patent”)
Ex-1024	U.S. Patent Publication No. 2004/0178443 (“Hossain 443”)
Ex-1025	U.S. Patent Publication No. 2011/0121389 (“De Boet”)
Ex-1026	Excerpts from Umesh K. Mishra et al., Semiconductor Device Physics and Design (2008)
Ex-1027	Public Version of Ex. 36C to Infineon’s ITC Complaint - Domestic Industry Claim Chart for ’755 Patent
Ex-1028	Steven Leibson, A Brief History of the MOS transistor, Part 1: Early Visionaries, Electronic Engineering Journal (Apr. 3, 2023), https://www.eejournal.com/article/a-brief-history-of-the-mos-transistor-part-1-early-visionaries/
Ex-1029	R. P. Jindal, Noise Associated with Distributed Resistance of MOSFET Gate Structures in Integrated Circuits, IEEE Transactions on Electron Devices, Vol. ED-31, No. 10 (October 1984)

Exhibits	Description
Ex-1030	Evangelos F. Tsakas et al., Noise Associated with Interdigitated Gate Structures in RF Submicron MOSFETs, IEEE Transactions on Electron Devices, Vol. 47, No. 9 (September 2000)
EX-1031	Order Staying and Conditionally Closing Case, Infineon Tech. Austria AG v. Innoscience (Suzhou) Tech. Company, Ltd., No. 4:24-cv-01553 (N.D. Ca. Aug. 30, 2024), ECF No. 56
EX-1032	Infineon's Preliminary Response, Innoscience America, Inc. v. Infineon Techs. Austria AG, No. IPR2024-00975 (PTAB Sept. 20, 2024), Pap. No. 6
EX-1033	Hiroshi Iwai et al., The Transistor was Invented 75 Years Ago: A Big Milestone in Human History, The Electrochemical Society Interface (Winter 2022)
EX-1034	Cassiano Ferro Moraes, Understanding Transistors: What They Are and How They Work, Wevolver (Nov. 6, 2023), https://www.wevolver.com/article/understanding-transistors-what-they-are-and-how-they-work
EX-1035	RS, A Complete Guide to MOSFET Transistors (Jan. 16, 2023), https://uk.rs-online.com/web/content/discovery/ideas-and-advice/mosfet-guide
EX-1036	A. Blicher et al., Encyclopedia of Physical Science and Technology, Vol. 5, p. 831-849 (Robert A. Meyers, 3d. ed. 2003)
EX-1037	D. W. Runton et al., History of GaN, IEEE Microwave Magazine (May 2013)
EX-1038	Qorvo, What You Need to Know About GaN Technology (Feb. 15, 2023), https://www.qorvo.com/design-hub/blog/what-you-need-to-know-about-gan-technology
EX-1039	W. F. Perina et al., Effect of interface traps on the different conduction mechanisms of MISHEMT from 200 K to 450 K, 2024 38th Symposium on Microelectronics Technology and Devices (SBMicro) (Sept. 2024)

Exhibits	Description
EX-1040	Jui-Sheng Wu et al., Recent Progress of E-mode Gallium Nitride Metal–Insulator–Semiconductor -High Electron Mobility Transistors with Hybrid Ferroelectric Charge Trap Gate (FEG-HEMT) for Power Switching Applications, <i>Physica Status Solidi (a) - Applications and Materials Science</i> , Vol. 220, No. 16 (Aug. 2023)
EX-1041	Sonu Daryanani, GaN Power HEMT > 650 V: A Parametric Analysis and Comparison to SiC MOSFET, <i>Power Electronics News</i> (Jun. 23, 2022), https://www.powerelectronicsnews.com/gan-power-hemt-650-v-a-parametric-analysis-and-comparison-to-sic-mosfet/
EX-1042	U.S. Patent Publication No. 2005/0127438 (“Hossain 438”)
EX-1043	Enrico Bottaro et al., Circuit Models of Power MOSFETs Leading the Way of GaN HEMT Modelling—A Review, <i>Energies</i> 2022, 15, 2415 (May 7, 2022)
EX-1044	Utkarsh Jadli, Modeling Power GaN-HEMTs Using Standard MOSFET Equations and Parameters in SPICE, <i>Electronics</i> 2021, 10, 130 (January 9, 2021)
EX-1045	<i>Infineon Technologies Austria AG v. Innoscience (Suzhou) Technology Company, Ltd.</i> , No. 3:24-cv-01553-SK, Dkt. No. 56, Order Staying and Conditionally Closing Case for Statistical Purposes (N.D. Cal. Aug. 30, 2024)
EX-1046	<i>Certain Semiconductor Devices and Products Containing the Same</i> , Inv. No. 337-TA-1414, Public Verified Complaint (Jul. 26, 2024)
EX-1047	Memorandum from Scott R. Boalick, Chief Administrative Patent Judge to Members of the Patent Trial and Appeal Board, Guidance on USPTO's rescission of “Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation” (Mar. 24, 2025)
EX-1048	USPTO rescinds memorandum addressing discretionary denial procedures (February 28, 2025)

Exhibits	Description
EX-1049	<i>Certain Digital Satellite System (DSS) Receivers and Components Thereof</i> , Inv. No. 337-TA-392 (May 13, 1999)
EX-1050	<i>Sonos, Inc. v. Google LLC</i> , Case No. 2:20-cv-00169, Motion to Partially Lift Stay, Dkt. No. 56 (Aug. 15, 2024)
EX-1051	<i>Sonos, Inc. v. Google LLC</i> , Case No. 2:20-cv-00169, Court Order Lifting Stay, Dkt. No. 70 (Dec. 27, 2024)
EX-1052	<i>BMW of North America, LLC v. Kathi Vidal</i> , No. 1 24-cv-235, Dkt. No. 63, Memorandum Order (Mar. 25, 2025)
EX-1053	<i>Certain Semiconductor Devices, and Methods of Manufacturing the Same, and Products Containing the Same</i> , Inv. No. 337-TA-1366, Notice of Commission Determination (July 1, 2024)
EX-1054	<i>Certain Semiconductor Devices, and Methods of Manufacturing the Same, and Products Containing the Same</i> , Inv. No. 337-TA-1366, Notice of Commission Determination (July 25, 2024)
EX-1055	<i>Certain Semiconductor Devices, and Methods of Manufacturing the Same, and Products Containing the Same</i> , Inv. No. 337-TA-1366, Notice of Commission Determination (November 5, 2024)
EX-1056	<i>Certain Outdoor and Semi-Outdoor Electronic Displays, Products Containing Same, and Components Thereof</i> , Inv. No. 337-TA-1331, Order No. 5 (Oct. 20, 2022)
EX-1057	<i>Certain Outdoor and Semi-Outdoor Electronic Displays, Products Containing Same, and Components Thereof</i> , Inv. No. 337-TA-1331, Notice of Commission Determination (Nov. 14, 2023)
EX-1058	<i>Certain Wearable Elec. Devices with Ecg Functionality & Components Thereof</i> , Inv. No. 337-TA-1266, Comm'n Op. (Jan. 20, 2023)
EX-1059	Construing Certain Claim Terms, <i>Certain Semiconductor Devices and Products Containing the Same</i> , Inv. No. 337-TA-1414, Order No. 29 (Apr. 4, 2025)

Dated: April 23, 2025

By: /Lionel M. Lavenue/
Lionel M. Lavenue, Lead Counsel
Reg. No. 46,859

CERTIFICATE OF SERVICE

The undersigned hereby certifies that the foregoing **Petitioner's Updated Exhibit List and Exhibit 1059** were served on April 23, 2025, via email directed to counsel of record for the Patent Owner at the following:

Richard F. Giunta
RGiunta-PTAB@WolfGreenfield.com

Jie Xiang
JXiang-PTAB@WolfGreenfield.com

Bryan S. Conley
Bryan.Conley@WolfGreenfield.com

Gregory F. Corbett
Gregory.Corbett@WolfGreenfield.com

Turhan F. Sarwar
TSarwar-PTAB@WolfGreenfield.com

Dated: April 23, 2025

By: /Lisa C. Hines/
Lisa C. Hines
Case Manager
FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, LLP