UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

INTEL CORPORATION,
ADVANCED MICRO DEVICES, INC.
Petitioners,

v.

ADVANCED CLUSTER SYSTEMS, INC.,
Patent Owner.

IPR2025-00916
U.S. Patent No. 11,811,582

PETITIONERS' UPDATED EXHIBIT LIST

Pursuant to the Board's email, dated October 1, 2025, Petitioners are entering the Claim Construction Order (Ex.1085) from the related proceeding.

Respectfully submitted,

Date: October 2, 2025

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PETITIONERS' UPDATED EXHIBIT LIST

October 2, 2025

Ex.1001	U.S. Patent No. 10,333,768
Ex.1002	Prosecution History of U.S. Patent No. 10,333,768
Ex.1003	Declaration of Dr. Chandrajit L. Bajaj under 37 C.F.R. § 1.68
Ex.1004	*Curriculum Vitae* of Dr. Chandrajit L. Bajaj
Ex.1005	"MultiMATLAB: Integrating MATLAB with High-Performance Parallel Computing," Menon et al., SC '97: Proceedings of the 1997 ACM/IEEE Conference on Supercomputing 1997
Ex.1006	"MultiMATLAB: MATLAB on Multiple Processors," Trefethen et al., 1996 Computer Science Technical Report, Cornell University 1996
Ex.1007	"RS/6000 SP: Planning Vol. 1, Hardware and Physical Environment," IBM 2001
Ex.1008	"Operation and Use, Volume 1, Using the Parallel Operating Environment," IBM 2001
Ex.1009	"Single program multiple data" in Dictionary of Algorithms and Data Structures, P. E. Black, (accessible at https://www.nist.gov/dads/HTML/singleprogrm.html) December 2004
Ex.1010	The RS/6000 SP Inside Out" to Barrios et al., IBM 1999
Ex.1011	"High Performance Cluster Computing: Programming and Applications," Rajkumar Buyya, Vol. 2, 1999
Ex.1012	"Analysis of 100Mb/s Ethernet for the Whitney Commodity Computing Testbed," Fineberg et al., NAS Technical Report NAS-97-025 1997

Ex.1013	"A Parallel Linear Algebra Server for Matlab-like Environments," G. Morrow et al., SC '98: Proceedings of the 1998 ACM/IEEE Conference on Supercomputing 1998
Ex.1014	"Parallel MATLAB: Doing It Right," R. Choy et al., Proceedings of the IEEE, Vol. 93, No. 2, 2005
Ex.1015	"Mathematica Parallel Computing Toolkit - Unleash the Power of Parallel Computing," R. Maeder, 2005
Ex.1016	"Mastering MATLAB® 5 – A Comprehensive Tutorial and Reference," D. Hanselman et al., 1998
Ex.1017	"MPI: A Message-Passing Interface Standard," Message Passing Interface Forum, 1994
Ex.1018	"Modern Operating Systems," A.S. Tanenbaum, 2001
Ex.1019	September 26, 2024 Complaint in Western District of Texas against Intel
Ex.1020	Order Granting Joint Motion for Entry of Amended Scheduling Order for *Advanced Cluster Systems, Inc. v. Intel Corporation*, 7:24-CV-00245 (W.D.TX.)
Ex.1021	Federal Court Statistics
Ex.1022	Advanced Cluster Systems, Inc.'s Preliminary Infringement Contentions, January 22, 2005, *Advanced Cluster Systems, Inc. v. Intel Corporation*, 7:24-cv-00245 (WDTX)
Ex.1023	Cornell Websites
Ex.1024	"pyMPI–An introduction to parallel Python using MPI," P. Miller 2002
Ex.1025	Amended Joint Claim Construction Chart for *Advanced Cluster Systems, Inc. v. NVIDIA Corporation*, 1:19-cv-02032 (DDE)
Ex.1026	SC97: High Performance Networking and Computing Conference Website

Ex.1027	Declaration of IEEE
Ex.1028	ACM Digital Library - Citations to Menon
Ex.1029	Affidavit of Archive.org
Ex.1030	HPC Wire Article about the SC97 High Performance Computing Conference
Ex.1031	Flyer about the SC97 High Performance Computing Conference
Ex.1032	IEEE Xplore Website
Ex.1033	Article about Cornell Theory Center
Ex.1034	ACM Digital Library
Ex.1035	ACM Digital Library - Citations to Menon
Ex.1036	A Beginner's Guide to the IBM SP
Ex.1037	ACM Digital Library - Citations to MPIref
Ex.1038	IBM Website for RS6000
Ex.1039	IBM Website for POE
Ex.1040	ACS Preliminary Response, IPR2021-00019
Ex.1041	Decision Denying Institution, IPR2021-00019
Ex.1042	Sotera Stipulation, *Advanced Cluster Systems, Inc. v. Intel Corporation*, 7:24-cv-00245 (WDTX)
Ex.1043	September 26, 2024 Complaint against AMD in Western District of Texas
Ex.1044	Scheduling Order for *Advanced Cluster Systems, Inc. v. Advanced Micro Devices, Inc.*, 7:24-CV-00244 (W.D.TX.)
Ex.1045	Advanced Cluster Systems, Inc.'s Preliminary Infringement Contentions, February 24, 2025, *Advanced Cluster Systems, Inc. v. Advanced Micro Devices, Inc.*, 7:24-cv-00244 (WDTX)

Ex.1046	Sotera Stipulation, *Advanced Cluster Systems, Inc. v. Advanced Micro Devices, Inc.*, 7:24-cv-00244 (WDTX)
Ex.1047	Declaration of International Business Machines Corp.
Ex.1048	Affidavit of Tanya Zeif, Internet Archive
Ex.1049	MPIref at Argonne National Laboratory
Ex.1050	"Nvidia, AMD CEOs Rally Behind President Trump's AI 'Action Plan'," B. Lin, Wall Street Journal, July 24, 2025.
Ex.1051	"Microsoft offers cloud customers AMD alternative to Nvidia AI processors," M. Cherney, Reuters, May 17, 2024.
Ex.1052	"What milestone advancements in computer chips mean for the military," Breaking Defense
Ex.1053	"Lawrence Livermore National Laboratory's El Capitan verified as world's fastest supercomputer," LLNL
Ex.1054	"Economic Contributions of Data Centers in the United States, 2017-2023," PWC, Feb. 2025
Ex.1055	Senate hearing on "Winning the AI Race: Strengthening U.S. Capabilities in Computing and Innovation," May 8, 2025
Ex.1056	"DoD Extends Contract for ORAN-based Private 5G Networks through 2025," Echostar, March 18, 2024
Ex.1057	"HPE selected to deliver supercomputers for DoD computing modernization program," M. Iriarte, Military Embedded Systems, February 20, 2018
Ex.1058	"ZMicro to Provide Rugged Computers for US Sky Warden Aircraft," R. Manuel, The Defense Post, Oct. 6, 2022
Ex.1059	"Argonne National Laboratory's Aurora 2+ ExaFLOPS System Will Enable New Science and Engineering," Intel
Ex.1060	"Intel battles AMD with new data center chips," Cherney et al, Reuters, June 4, 2024

Ex.1061	"X86 vs. ARM: A Deep Device into the Architecture," Semicon Electronics, October 28, 2024
Ex.1062	U.S. Patent No. 8,601,101
Ex.1063	Amended Order Assigning the Business of the Court (Judge Moses, Jan. 31, 2025)
Ex.1064	LexMachina docket report
Ex.1065	LexMachina docket report
Ex.1066	LexMachina docket report
Ex.1067	LexMachina docket report
Ex.1068	"TensorWave just deployed the largest AMD GPU training cluster in North America — features 8,192 MI325X AI accelerators tamed by direct liquid-cooling," Tom's Hardware, July 14, 2025
Ex.1069	"Intel and Trump Administration Reach Historic Agreement to Accelerate American Technology and Manufacturing Leadership," Aug. 22, 2025
Ex.1070	LexMachina docket report
Ex.1071	March 24, 2025 Memorandum titled "Guidance on USPTO's recission of 'Interim Procedure for Discretionary Denials in AIA Post-Grant Proceedings with Parallel District Court Litigation'" (Chief Administrative Patent Judge Boalick)
Ex.1072	"FAQs for Interim Processes for PTAB Workload Management" (USPTO)
Ex.1073	March 26, 2025 Memorandum titled "Interim Processes for PTAB Workload Management" (Acting Director Stewart)
Ex.1074	Aug. 13, 2025 Memo "Interim Director Discretionary Process" (USPTO)
Ex.1075	"Oracle and AMD Collaborate to Help Customers Deliver Breakthrough Performance for Large-Scale AI and Agentic Workloads," Oracle, June 12, 2025.
Ex.1076	"How AMD is Intensifying AI Chip Focus Amid Global Tech

	Race," Technology Magazine, Nov. 17, 2024.
Ex.1077	"AMD's AI Chips Gain Ground in Data Centers: A Sign for More Upside?," Zacks Equity Research, July 16, 2025.
Ex.1078	"Transcript: Sam Altman Testifies At US Senate Hearing On AI Competitiveness," TechPolicy.Press, May 8, 2025.
Ex.1079	"Meta's Obsession With AI Is Great News For AMD," Seeking Alpha, July 9, 2025.
Ex.1080	U.S. Patent Publication No. 2005/0021751
Ex.1081	U.S. Patent No. 6,074,427
Ex.1082	"USPTO rescinds memorandum addressing discretionary denial procedures," USPTO, Feb. 28, 2025
Ex.1083	*Reserved*
Ex.1084	*Reserved*
Ex.1085 (NEW)	**Claim Construction Order; *Advanced Cluster Systems, Inc. v. Advanced Micro Devices, Inc., Intel Corporation*; Case No. 7:24-cv-00244-ADA and 7:24-cv-00245-ADA; Dkt.87; Filed 09/26/25**

CERTIFICATE OF SERVICE

The undersigned certifies, under 37 C.F.R. § 42.6, that service was made on the Patent Owner as detailed below.

Date of service October 2, 2025

Manner of service Electronic Email: dlindner@crowell.com; jgurka@crowell.com; rey@bhiplaw.com

Documents served **PETITIONERS' UPDATED EXHIBIT LIST and EXHIBIT Ex.1085**

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