

**UNITED STATES PATENT AND TRADEMARK OFFICE**

---

**BEFORE THE PATENT TRIAL AND APPEAL BOARD**

---

MURATA MANUFACTURING CO., LTD

Petitioner

v.

GEORGIA TECH RESEARCH CORPORATION,

Patent Owner,

---

IPR2025-00384

U.S. Patent No. 7,489,914

---

**PETITIONER'S UPDATED MANDATORY NOTICES  
PURSUANT TO 37 C.F.R. § 42.8(a)(2)**

Pursuant to 37 C.F.R § 42.8, Petitioner, Murata Manufacturing Co., Ltd., hereby submits the following Updated Mandatory Notices in order to update Related Matters for *Inter Partes* Review of U.S. Patent No. 7,489,914.

## **I. Related Matters**

In accordance with 37 C.F.R. §42.8(b)(2), Petitioner provides a status update Parallel District Court Litigation that involves the '914 Patent and which may affect, or be affected by, a decision in this proceeding:

<b>Case Heading</b>	<b>Number</b>	<b>Court</b>	<b>Filed</b>	<b>Status</b>
<i>Georgia Tech Research Corporation v. Murata Electronics North America, Inc. et al.</i>	NDGA-1-24-cv-05268	NDGA	Nov. 17, 2024	Pending – discovery deadlines stayed <sup>1</sup>

Additionally, Petitioner has stipulated in accord with *Sotera Wireless, Inc. v. Masimo Corp.*, IPR2020-01019, Paper 12 at 18–19 (PTAB Dec. 1, 2020) that if the Board institutes this proceeding, and institution is not vacated prior to entry of a

---

<sup>1</sup> On April 28, 2025, it was ordered that the parties' deadline to conduct the early planning conference and file the Joint Preliminary Report and Discovery Plan is stayed pending the Court's ruling on the motion to dismiss. EX1041, 2. A Motion to Stay Pending Resolution of IPRs is also before the NDGA court. *See* EX1041.

final written decision, it will not pursue in the Parallel District Court Litigation

(i) the specific grounds raised in this proceeding or (ii) any other grounds that reasonably could have been raised in this proceeding. *See* EX1042.

## **II. Other Notices**

Real party-in-interest, lead and back-up counsel and service information remain as previously noticed.

Respectfully submitted,

Dated: May 15, 2025  
Haynes and Boone, LLP  
2801 N. Harwood St., Suite 2300  
Dallas, TX 75201  
Customer No. 27683

/David W. O'Brien/  
David W. O'Brien  
Reg. No. 40,107  
Lead Counsel for Petitioner

**PETITIONER'S UPDATED EXHIBIT LIST**

**May 15, 2025**

EX1001	U.S. Patent No. 7,489,914
EX1002	Prosecution History of U.S. Patent No. 7,489,914
EX1003	Second Declaration of Matthew B. Shoemake under 37 C.F.R. § 1.68
EX1004	<i>Curriculum Vitae</i> of Matthew B Shoemake
EX1005	U.S. Patent No. 6,128,508 (“Francisco”)
EX1006	JP 2001-267466 (“JP466”) including original Japanese language document, English translation, and Translator’s certification
EX1007	European Patent Application EP 1 189 345 A2 (“Okubora”)
EX1008	U.S. Patent Application Publication No. 2002/0118067 (“Hirayama”)
EX1009	U.S. Patent No. 5,995,814 (“Yeh”)
EX1010	Design and Implementation of High-Q Passive Devices for Wireless Applications Using System-On-Package (SOP) Based Organic Technologies, by Sidharth Dalmia, 2003 (“Dalmia”)
EX1011	“Concurrent Multiband Low-Noise Amplifiers—Theory, Design, and Applications,” Hashemi et al., IEEE Transactions On Microwave Theory And Techniques, Vol. 50, No. 1, January 2002 (“Hashemi”)
EX1012	<i>Fundamentals of Microsystems Packaging</i> , Rao Tummala, McGraw-Hill, Table of Contents and Chapter 11, 2001
EX1013	<i>Reserved</i>
EX1014	U.S. Patent No. 6,825,818
EX1015	U.S. Patent No. 5,457,734

EX1016	U.S. Patent No. 5,406,615
EX1017	<i>RF Microelectronics</i> , Behzad Razavi, Prentice Hall PTR, 1998
EX1018	U.S. Patent No. 5,821,820
EX1019	US Patent Application Publication No. 2002/0030545
EX1020	European Patent Application Publication No. EP 0 851 576 A2
EX1021	A CMOS RF Bandpass Low Noise Amplifier for Multi-band Wireless Communication Applications, Mou et al., IEEE, 2002
EX1022	<i>The Wiley Electrical and Electronics Dictionary</i> , Steven M. Kaplan, 2004, pp. 628, 662, 630
EX1023	RF Characterization of a low cost multichip packaging technology for monolithic microwave and millimeter wave integrated circuits, Jayaraj et al., IEEE, 1995
EX1024	JP 2001345648 (“JP648”) including original Japanese language document, English translation, and Translator’s certification
EX1025	NIST Technical Note 1520, “Dielectric and Conductor-Loss Characterization and Measurements on Electronic Packaging Materials, 2001
EX1026	US Patent Application Publication No. 2004/0127182
EX1027	Embedded Passives Technology Implementation in RF Applications, Savic, et al., IPC Printed Circuits Expo, 2002
EX1028	US Patent Application Publication No. 2004/0113719
EX1029	US Patent Application Publication No. 2003/0063427
EX1030	<i>Microwave Engineering Second Edition</i> by David M. Pozar, Wiley, 1998
EX1031	Datasheet NE38018, NEC, 2000
EX1032	Characterization of Liquid Crystal Polymer for High Frequency

	System-in-a-Package Applications, Zou et al., IEEE Transactions On Advanced Packaging, Vol. 25, No. 4, 2002
EX1033	Liquid Crystal Polymers (LCP) for High Performance SOP Applications, 2002 Proceedings. 8th International Advanced Packaging Materials Symposium (Cat. No.02TH8617), Stone Mountain, GA, USA, 2002
EX1034	<i>Microwave Transistor Amplifiers Analysis and Design</i> , Second Edition, Guillermo Gonzalez, Wiley, 1997
EX1035	Complaint NDGA-1-24-cv-05268-1
EX1036	United States District Courts: Federal Court Management Statistics-Comparison within Circuit (September 30, 2024)
EX1037	JPA H06-97315 including original Japanese language document, English translation, and Translator's certification
EX1038	Declaration Dr. Sylvia Hall-Ellis
EX1039	Declaration of H. Stewart (ProQuest)
EX1040	U.S. Application No. 10/402,313 and applications referred to therein
<b>EX1041 (New)</b>	<b>I-24-cv-05268-JPB Docket retrieved 2025-05-14</b>
<b>EX1042 (New)</b>	<b>Sotera Stipulation dated May 15, 2025</b>

**CERTIFICATE OF SERVICE**

The undersigned certifies that, in accordance with 37 C.F.R. § 42.6(e),  
service was made on Patent Owner as detailed below.

*Date of service* May 15, 2025

*Manner of service* Electronic Mail: [wthomas@mcciplaw.com](mailto:wthomas@mcciplaw.com);  
[gcarlin@mcciplaw.com](mailto:gcarlin@mcciplaw.com); [lhilton@mcciplaw.com](mailto:lhilton@mcciplaw.com);  
[sfritz@mcciplaw.com](mailto:sfritz@mcciplaw.com)

*Documents served* **Petitioner's Updated Mandatory Notices, Petitioner's  
Updated Exhibit List and Exhibits EX1041 and  
EX1042**

*Persons served* Warren J. Thomas  
Gregory J. Carlin  
Lee G. Hamilton  
Samuel V.B. Fritz  
Meunier Carlin & Curfman LLC  
999 Peachtree Street NE, Suite 1300  
Atlanta, GA 30309

*/David W. O'Brien/*

David W. O'Brien  
Reg. No. 40,107  
Lead Counsel for Petitioner