

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.

IPR2025-00383 & IPR2025-00384

DECLARATION OF GEORGE WHITE

I, George White, declare as follows:

1. I have personal knowledge of the facts stated in this declaration.

2. I am one of the inventors of U.S. Patent 7,489,914 (the '914 patent). I understand that patent issued from an application that was previously published in 2005 as US 2005/0248418 A1 ('418 publication).

3. At the time of the earliest claimed priority date of the patent, I was a research faculty member of The Georgia Institute of Technology (Georgia Tech). I assigned my rights to the inventions of the '914 patent to the Georgia Tech Research Corporation (GTRC).

4. In 2004, I (along with other inventors of the '914 patent and related patents) founded Jacket Micro Devices (JMD) and, during my time with JMD, served as the President and later CTO of JMD. One of JMD's goals was to commercialize technology relating to the '914 patent as a start-up supported by Georgia Tech. JMD obtained an exclusive license from GTRC to several patent applications related to our work while at Georgia Tech, including the applications underlying the '914 patent.

5. Beginning in 2006 and continuing into 2008, I was part of a team from JMD that engaged with Murata Manufacturing Co., Ltd. of Japan (Murata) to discuss a possible business collaboration to manufacture and sell multi-band radio frequency devices comprised of multi-layer LCP substrates.

6. In June 2006, representatives of Murata visited JMD in Atlanta, including Murata's then-President Tsuneo Murata and Horufi Mandai (then an Executive Vice President of Module Development). During the visit, Murata and JMD entered into a "Mutal Confidentiality Agreement," i.e., a non-disclosure agreement (NDA), to allow the parties to assess JMD's intellectual property and JMD's proposed organic-based products on a confidential basis. A true and correct copy of an unsigned version of the NDA is included with my declaration as Exhibit "Ex-2002."

7. In August 2006, I traveled (along with others from JMD) to Japan to visit Murata's facilities and meet with several Murata executives. Among other topics during that visit, we discussed a potential license of GTRC's patents covering the inventive organic substrate technology.

8. In January 2007, I (along with others from JMD) again visited Murata in Japan. Among other topics during that visit, we discussed the various multi-layer organic patents and applications licensed by JMD from GTRC, including the inventions disclosed in the '418 publication. Murata expressed interest in the opportunity to work with JMD to commercialize the innovations disclosed in the '418 publication.

9. In April 2007, Hiroshi Iwatsubo (then GM of Corporation Planning for Murata Manufacturing) visited JMD in Atlanta to further discuss a

collaboration between the parties to commercialize the multi-layer organic patents and applications licensed by JMD from GTRC. During this meeting, which I attended, JMD entertained questions about its intellectual property, including the inventions disclosed in the '418 publication. Murata reiterated its interest at this time in manufacturing and selling radio frequency products that incorporated technology disclosed in the '418 publication as part of a proposed commercial arrangement.

10. As part of the April 2007 meeting, I co-authored and co-presented a PowerPoint presentation for Murata. A true and correct copy of that PowerPoint presentation is included with my declaration as Exhibit "Ex-2003."¹ Slides 26–27 include a list of JMD's patent assets that were disclosed to Murata, including a specific reference to the title of the application that eventually issued as the '914 patent (Title: "Multi-band RF transceiver with passive re-use in organic substrates").

11. I declare that all statements made herein on my own knowledge are true and that all statements made on information and belief are believed to be true, and further, that these statements were made with the knowledge that willful false

¹ The document has been redacted to mask some potentially confidential technical information that is not relevant for the purpose of my declaration.

statements and the like so made are punishable by fine or imprisonment, or both,
under § 1001 of Title 18 of the United States Code.

Executed on: June 16, 2025

By: /George White/
GEORGE WHITE