

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5943320

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MOTOJI TSUDA	12/17/2019
TAKANORI UEJIMA	12/17/2019
YUJI TAKEMATSU	12/18/2019
KATSUNARI KATSUNARI	12/17/2019
MASAHIDE TAKEBE	12/17/2019
SHOU MATSUMOTO	12/23/2019
NAOYA MATSUMOTO	12/18/2019
YUTAKA SASAKI	12/18/2019
YUUKI FUKUDA	12/20/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MURATA MANUFACTURING CO., LTD.
<b>Street Address:</b>	10-1, HIGASHIKOTARI 1-CHOME, NAGAOKAKYO-SHI
<b>City:</b>	KYOTO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	617-8555
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16780087
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)579-6073
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	216-579-1700
<b>Email:</b>	kfreeman@pearne.com
<b>Correspondent Name:</b>	PEARNE & GORDON LLP
<b>Address Line 1:</b>	1801 EAST 9TH STREET
<b>Address Line 2:</b>	SUITE 1200
<b>Address Line 4:</b>	CLEVELAND, OHIO 44114-3108
<b>ATTORNEY DOCKET NUMBER:</b>	MURATA-61836
<b>NAME OF SUBMITTER:</b>	AARON A. FISHMAN

PATENT

<b>SIGNATURE:</b>	/Aaron A. Fishman/
<b>DATE SIGNED:</b>	02/03/2020
<b>Total Attachments: 8</b> source=MURATA-61836-DeclarationAssignment#page1.tif source=MURATA-61836-DeclarationAssignment#page2.tif source=MURATA-61836-DeclarationAssignment#page3.tif source=MURATA-61836-DeclarationAssignment#page4.tif source=MURATA-61836-DeclarationAssignment#page5.tif source=MURATA-61836-DeclarationAssignment#page6.tif source=MURATA-61836-DeclarationAssignment#page7.tif source=MURATA-61836-DeclarationAssignment#page8.tif	

**DECLARATION AND ASSIGNMENT  
FOR US UTILITY OR DESIGN PATENT APPLICATION**

Attorney Docket No.: MURATA-61836

**As a below-named inventor, I hereby declare that:**

this declaration is directed to the application entitled:

**HIGH-FREQUENCY MODULE AND COMMUNICATION APPARATUS**

(check only one item below)

☒ attached hereto,

OR

☐ filed on (YYYY/MM/DD) \_\_\_\_\_ as United States Application Number or  
PCT International Application Number \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, new and useful improvements have been made by the undersigned as described in the above-identified application.

WHEREAS, Murata Manufacturing Co., Ltd. having a place of business at 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto, 617-8555, Japan, hereafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventors' certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns by the undersigned; and it is covenanted and agreed by the undersigned, and for

executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the Director of the United States Patent and Trademark Office is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

IN WITNESS WHEREOF, this declaration and assignment has been executed below by the undersigned:

Legal Name of Inventor: Motoji TSUDA

Signature of Inventor: Motoji TSUDA

Date: December 17, 2019

☒ [X] Signatures of additional inventors on attached sheet(s)

**Notice to Inventor(s):** A person may not execute this declaration unless that person has reviewed and understands the contents of the above-identified application, including the claims.

**Notice to Inventor(s):** A person may not execute this declaration unless that person is aware of the duty to disclose to the US Patent and Trademark Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.

**Additional Inventor(s)**

Legal Name of Inventor: Takanori UEJIMA

Signature of Inventor: Takanori Uejima

Date: December 17, 2019

Legal Name of Inventor: Yuji TAKEMATSU

Signature of Inventor: Yuji Takematsu

Date: December 18, 2019

Legal Name of Inventor: Katsunari NAKAZAWA

Signature of Inventor: Katsunari Nakazawa

Date: December 17, 2019

Legal Name of Inventor: Masahide TAKEBE

Signature of Inventor: Masahide Takebe

Date: December 17, 2019

Legal Name of Inventor: Shou MATSUMOTO

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of Inventor: Naoya MATSUMOTO

Signature of Inventor: Naoya Matsumoto

Date: December, 18, 2019

Legal Name of Inventor: Yutaka SASAKI

Signature of Inventor: Yutaka Sasaki

Date: December, 18, 2019

Legal Name of Inventor: Yuuki FUKUDA

Signature of Inventor: Yuuki Fukuda

Date: December, 20, 2019

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executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the Director of the United States Patent and Trademark Office is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

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Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

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**Additional Inventor(s)**

Legal Name of Inventor: Takanori UEJIMA

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of Inventor: Yuji TAKEMATSU

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of Inventor: Katsunari NAKAZAWA

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of Inventor: Masahide TAKEBE

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of Inventor: Shou MATSUMOTO

Signature of Inventor: Shou Matsumoto

Date: December 23, 2019

Legal Name of Inventor: Naoya MATSUMOTO

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of Inventor: Yutaka SASAKI

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

Legal Name of Inventor: Yuuki FUKUDA

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_