PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6594179

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAZUHITO NAKAI	02/23/2021
SATOSHI GOTO	02/15/2021
HIDETAKA TAKAHASHI	02/15/2021
DAEROK OH	02/26/2021

RECEIVING PARTY DATA

Name:	MURATA MANUFACTURING CO., LTD.
Street Address:	10-1, HIGASHIKOTARI 1-CHOME,
City:	NAGAOKAKYO-SHI, KYOTO
State/Country:	JAPAN
Postal Code:	617-8555

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17195684

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 5713766333

Email: anaquadocketing@Xsensus.com

Correspondent Name: XSENSUS LLP

Address Line 1: 200 DAINGERFIELD ROAD

Address Line 2: SUITE 201

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	15695US01
NAME OF SUBMITTER:	SHELLY LEDERLE
SIGNATURE:	/Shelly Lederle/
DATE SIGNED:	03/10/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 055552 FRAME: 0636

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE ATTORNEY DOCKET NUMBER: 15695US01

Title of Invention	RADIO FREQUENCY MODULE AND COMMUNICATION	ON DE	VICE .
As the below na	med inventor, I hereby declare that:		
This declaration	The attached application, or		
is directed to:	☐ United States application or PCT international appl	ication i	number
filed on			
The above-ident	ified application was made or authorized to be made by n	ne.	
I believe that I a	m the original inventor or an original joint inventor of a c	laimed	invention in the application.
WHEREAS, A	Murata Manufacturing Co., Ltd.		
(hereinafter refe	rred to as "ASSIGNEE") having places of business at: 10)-1, Hig	ashikotari 1-chome,
Nagaokakyo-shi	<u>, Kyoto-fu 617-8555, Japan</u>		
	equiring the entire right, title and interest in and to said in therefore in the United States and its territorial possession		
by these present the United State the terms of the application) and the United State	EFORE, for good, valuable, and adequate consideration, to do sell, assign and transfer unto said ASSIGNEE, the first and its territorial possessions and in all foreign countributernational Convention and other relevant International the entire right, title and interest in and to any and all Less and its territorial possessions and in any and all foreign lations, substitutions and renewals thereof.	ull and o es (incl Treaties etters Pa	exclusive right to the said invention in ading the right to claim priority under and Arrangements from the aforesaid stent which may be granted therefor in
and all foreign c my entire right, assigns, to the fu	orize and request the Patent Office Officials in the Unitedountries to issue any and all of said Letters Patent, when stitle and interest in and to the same, for the sole use and all end of the term for which said Letters Patent may be grown that this Assignment and sale not been made.	granted, behoof	to said ASSIGNEE as the assignee of of said ASSIGNEE, its successors and
said invention, a renewal and reiss issued to said A successors and a	ree that I will communicate to said ASSIGNEE or its reprind testify in any legal proceeding, sign all lawful papers, on sue applications, execute all necessary assignment papers to a ASSIGNEE, make all rightful oaths, and, generally do expressions, to obtain and enforce proper protection for said in any and all foreign countries.	execute to cause verythin	all divisional, continuation, substitute, any and all of said Letters Patent to be g possible to aid said ASSIGNEE, its
	nowledge that any willful false statement made in this decliment of not more than five (5) years, or both.	aration	is punishable under 18 U.S.C. 1001 by
LEGAL NAME	OF INVENTOR		
Inventor: Kazı	ahito NAKAI	Date:	February 23, 2021
Signature: /Ka	zuhito NAKAI/		

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE ATTORNEY DOCKET NUMBER: 15695US01

Title of RADIO FREQUENCY MODULE AND COMMUNICATION DEVICE Invention	
As the below named inventor, I hereby declare that:	
This declaration	
is directed to:	
filed on	
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, Murata Manufacturing Co., Ltd.	
(hereinafter referred to as "ASSIGNEE") having places of business at: 10-1, Higashikotari 1-chome,	
Nagaokakyo-shi, Kyoto-fu 617-8555, Japan	
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent the may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;	at
NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesai application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor it the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions reissues, continuations, substitutions and renewals thereof.	in er id in
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and an and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors an assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.	of nd
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respectin said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, is successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territoria possessions and in any and all foreign countries.	e, oe ts
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 b fine or imprisonment of not more than five (5) years, or both.	y
LEGAL NAME OF INVENTOR	
Inventor: Satoshi GOTO Date: February 15, 2021	
Signature: /Satoshi Goto/	

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Title of	RADIO FREQUENCY MODULE AND COMMUNICATI	ON DE	VICE
Invention			
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This declaration	The attached application, or		
is directed to:	☐ United States application or PCT international appl	ication i	number
filed on			
The above-ident	ified application was made or authorized to be made by n	ne.	
I believe that I a	m the original inventor or an original joint inventor of a c	laimed	invention in the application.
WHEREAS, _	Murata Manufacturing Co., Ltd.		
(hereinafter refe	rred to as "ASSIGNEE") having places of business at: 10	0-1, Hig	ashikotari 1-chome,
Nagaokakyo-shi	<u>Kyoto-fu 617-8555, Japan</u>		
	equiring the entire right, title and interest in and to said in therefore in the United States and its territorial possession		
by these present the United State the terms of the application) and the United State	REFORE, for good, valuable, and adequate consideration, to so do sell, assign and transfer unto said ASSIGNEE, the first and its territorial possessions and in all foreign countri International Convention and other relevant International the entire right, title and interest in and to any and all Less and its territorial possessions and in any and all foreign nations, substitutions and renewals thereof.	ull and e ies (incl Treaties etters Pa	exclusive right to the said invention in uding the right to claim priority under s and Arrangements from the aforesaid itent which may be granted therefor in
and all foreign of my entire right, assigns, to the fi	orize and request the Patent Office Officials in the Unite countries to issue any and all of said Letters Patent, when title and interest in and to the same, for the sole use and all end of the term for which said Letters Patent may be go you me had this Assignment and sale not been made.	granted. behoof	to said ASSIGNEE as the assignee of of said ASSIGNEE, its successors and
said invention, a renewal and reis issued to said A successors and a	ree that I will communicate to said ASSIGNEE or its reprind testify in any legal proceeding, sign all lawful papers, sue applications, execute all necessary assignment papers assigned, make all rightful oaths, and, generally do exassigns, to obtain and enforce proper protection for said in in any and all foreign countries.	execute to cause verythin	all divisional, continuation, substitute, any and all of said Letters Patent to be g possible to aid said ASSIGNEE, its
	nowledge that any willful false statement made in this decl ment of not more than five (5) years, or both.	laration	is punishable under 18 U.S.C. 1001 by
LEGAL NAME	OF INVENTOR		
Inventor: Hic	letaka TAKAHASHI	Date:	15. February. 2021
Signature: /Hic	letaka TAKAHASHI/		

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

ATTORNEY DOCKET NUMBER: 15695US01

Title of RADIO FREQUENCY MODULE AND COMMUNICATION DEVICE
Invention
As the below named inventor, I hereby declare that:
This declaration 🛮 The attached application, or
is directed to: United States application or PCT international application number
filed on
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS, Murata Manufacturing Co., Ltd.
(hereinafter referred to as "ASSIGNEE") having places of business at: 10-1, Higashikotari 1-chome,
Nagaokakyo-shi, Kyoto-fu 617-8555, Japan
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;
NOW, THEREFORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, I, by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.
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.
LEGAL NAME OF INVENTOR
Inventor: / Daerok OH / Date: 26th Feb, 2021
Signature: Duckak off

XSENSUS LLP ATTORNEYS AT LAW 200 DAINGERFIELD ROAD, SUITE 201 Alexandria, VA 22314

RECORDED: 03/10/2021