#### 506494512 02/09/2021

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6541288

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HIROSHI SAKAMAKI	01/12/2021
IKUYA KAKIMOTO	01/14/2021
TOMOYA MATSUDA	01/13/2021
TAKAMICHI NAKAMIZO	01/08/2021

#### **RECEIVING PARTY DATA**

Name:	MITSUBISHI ELECTRIC CORPORATION
Street Address:	7-3, MARUNOUCHI 2-CHOME,
Internal Address:	CHIYODA-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8310

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17267020

#### **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:	15754US01
NAME OF SUBMITTER:	TIERNEY FARRELL
SIGNATURE:	/Tierney Farrell/
DATE SIGNED:	02/09/2021
	This document serves as an Oath/Declaration (37 CFR 1.63).

## **Total Attachments: 4**

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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

Title of Invention	Signal Processing Apparatus an	d Signal Processing Method
As the below name	d inventor, I hereby declare that:	
This declaration	] The attached application, or	1999
is directed to:	United States application or PCT international filed on June 14, 2019	application number PCT/JP2019/923684
The above-identific	ed application was made or authorized to be made	e by me.
I believe that I am	the original inventor or an original joint inventor	of a claimed invention in the application.
1 the section was a section with the sec	ubishi Electric Corporation	88
desitons of scdning	d to as "ASSIGNEE") having places of business ng the entire right, title and interest in and to sai refore in the United States and its territorial poss	ic myonion and in and id any Lencis ratem that
I, by these presents in the United State under the terms of aforesaid application therefor in the United	do sell, assign and transfer unto said ASSIGNES is and its territorial possessions and in all foreig the International Convention and other relevant on) and the entire right, title and interest in and to	tion, the receipt of which is hereby acknowledged, E, the full and exclusive right to the said invention in countries (including the right to claim priority International Treaties and Arrangements from the any and all Letters Patent which may be granted by and all foreign countries and in and to any and peof.
and all foreign cou of my entire right, and assigns, to the	ntries to issue any and all of said Letters Patent, title and interest in and to the same, for the sole i	Inited States and its territorial possessions and any when granted, to said ASSIGNEE as the assignee use and behoof of said ASSIGNEE, its successors may be granted, as fully and entirely as the same 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.		
	viedge that any willful false statement made in th iment of not more than five (5) years, or both.	sis declaration is punishable under 18 U.S.C. 1001
LEGAL NAME O		Date: January 12, 2021
Signature: H	rashi SAKAMAKI	
2		

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

isse os Inveniion	Signal Processing Apparatus and Signal Processing Method
As the below name	d inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number PCT/JP2019/023664 filed on June 14, 2019
The above-identifie	d application was made or authorized to be made by mc.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS, Miss	shishi Electric Corporation
desirous of acquiri	d to as "ASSIGNEE") having places of business at: 7-3. Mercroxxiv 2-boxe. Chyotado. TORYO 180-8310 JAPAN, is ng the entire right, title and interest in and to said invention and in and to any Letters Patent that refore 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 assignce 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 profection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME O	FINVENTOR
Inventor: Ikuya KAI	
Signature:	ya Kakimoto

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

Invention	Signal Processing Apparatus and Signal Processing Method
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This declaration [	The attached application, or
is directed to:	United States application or PCT international application number PCT/JP2019/023664 filed on June 14, 2019
The above-identifie	ed application was made or authorized to be made by me.
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.
WHEREAS, Mits	ubishi Electric Corporation
desirous of acquiris	d to as "ASSIGNEE") having places of business at: 7-3, Marcanothi Zerbona, Chipada-bu, TOKYO 198-8318 JAPAN, is ng the entire right, title and interest in and to said invention and in and to any Letters Patent that refore in the United States and its territorial possessions and in any and all foreign countries;
I, by these presents in the United State under the terms of aforesaid application therefor in the Unite	ORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention is and its territorial possessions and in all foreign countries (including the right to claim priority the International Convention and other relevant International Treaties and Arrangements from the on) and the entire right, title and interest in and to any and all Letters Patent which may be granted ted States and its territorial possessions and in any and all foreign countries and in and to any and es, continuations, substitutions and renewals thereof.
and all foreign cou of my entire right, and assigns, to the	ze and request the Patent Office Officials in the United States and its territorial possessions and any ntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors full end of the term for which said Letters Patent may be granted, as fully and entirely as the same old by me had this Assignment and sale not been made.
said invention, an substitute, renewal Patent to be issued ASSIGNEE, its sue	that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting ditestify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, and reissue applications, execute all necessary assignment papers to cause any and all of said Letters to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said exessors and assigns, to obtain and enforce proper protection for said invention in the United States are sessessions and in any and all foreign countries.
by fine or imprison	visings that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both
LEGAL NAME O	FINVENTOR
Inventor: Tomoya t	MATSUDA Date: January 13, 2021
Signature:	Tomoja Balevla

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

Title of

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

Title of Invention	Signal Processing Apparatus and Signal Processing Method
As the below name	d inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number PCT/JP2019/023664 filed on June 14, 2019
The above-identific	ed application was made or authorized to be made by me.
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.
	ubishi Etectric Corporation
desirous of acquiri	d to as "ASSIGNEE") having places of business at: 7-3, Menorous 20-bons, Chipodake, TOKYO 180-8310 JAPAN, is ng the entire right, title and interest in and to said invention and in and to any Letters Patent that refore in the United States and its territorial possessions and in any and all foreign countries;
I, by these presents in the United State under the terms of aforesaid application therefor in the Unit	ORE, for good, valuable, and adequate consideration, the receipt of which is hereby acknowledged, do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention is and its territorial possessions and in all foreign countries (including the right to claim priority the International Convention and other relevant International Treaties and Arrangements from the on) and the entire right, title and interest in and to any and all Letters Patent which may be granted ted States and its territorial possessions and in any and all foreign countries and in and to any and less, continuations, substitutions and renewals thereof.
and all foreign cou of my entire right, and assigns, to the	ze and request the Patent Office Officials in the United States and its territorial possessions and any ntries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors full end of the term for which said Letters Patent may be granted, as fully and entirely as the same eld 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.	
	viedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 iment of not more than five (5) years, or both.
LEGAL NAME O	FINVENTOR
Inventor: Takamich	i NAKAMIZO Date: Jane of 8,2021
Signature:	*idi NAKAM220

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

RECORDED: 02/09/2021