### 506392490 12/09/2020

### **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6439246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YUKI ISHII	10/14/2020
AKITO NAKAYAMA	10/15/2020
JUMPEI ISOZAKI	11/10/2020
TAICHIRO TSUCHIYA	11/10/2020

#### **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	
Name:	TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL SYSTEMS CORPORATION	
Street Address:	3-1-1 KYOBASHI,	
Street Address: Internal Address:		
	3-1-1 KYOBASHI,	
Internal Address:	3-1-1 KYOBASHI, CHUO-KU,	

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

Property Type	Number
Application Number:	16973431

### **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:	15450US01
NAME OF SUBMITTER:	TIERNEY FARRELL
SIGNATURE:	/Tierney Farrell/
DATE SIGNED:	12/09/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

### **Total Attachments: 4**

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Title of Self-Power Feed Circuit and Power Conversion Device Invention	
RAVERLIOR	
As the below named inventor, I hereby declare that:	
This declaration   The attached application, or	
is directed to:	
filed on <u>June 25, 2018</u>	
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, (1) Mitsubishi Electric Corporation, and (2) TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL.	
SYSTEMS CORPORATION	
(hereinafter referred to as "ASSIGNEES") having respective places of business at:	
(1) 7-3. Marunouchi 2-chome, Chivoda-ku, TOKYO 100-8310 JAPAN.	
and (2) 3-1-1 Kyobashi, Chuo-ku, Tokyo 104-003), Japan.	
are 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 ASSIGNEES, 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 ASSIGNEES as the joint assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES, their 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 ASSIGNEES 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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: Yuki ISHII Date: October 14, 2020	
Signature: Toth Has	

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

Invention  Self-Power Feed Circuit and Fower Conversion Device	
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 PCT/IP2018/023993	
filed on June 25, 2018	
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, (1) Mitsubishi Electric Corporation, and (2) TOSHIBA MITSUBISHI-ELECTRIC INDUSTRIAL	
SYSTEMS CORPORATION	
(hereinafter referred to as "ASSIGNEES") having respective places of business at:	
(1) 7-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN.	
and (2) 3-1-1 Kyobashi, Chuo-ku, Tokyo 104-0031, Japan,	
are 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 ASSIGNEES, 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.	
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LEGAL NAME OF INVENTOR	
Inventor: Akito NAKAYAMA Date: October 15, 2020	
Signature: 中山 発子	
VCENCII D	

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

Title of Self-Power Feed Circuit and Power Conversion Device Invention		
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LEGAL NAME OF INVENTOR		
Inventor: Jumpei ISOZAKI Date: November 10, 2020		
Signature: Jumpei Iso29ki		

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

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LEGAL NAME OF INVENTOR	
Inventor: Taichiro TSUCHIYA Date: Wovember (0, 2020	
Signature: Jaichiro Jsuchiya	

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**RECORDED: 12/09/2020**