## 505614010 08/09/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5660812

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
FUMIHIRO KANEI	06/28/2019
MITSUAKI AKIYAMA	06/28/2019
YUTA TAKATA	06/28/2019
TAKESHI YAGI	06/28/2019

### **RECEIVING PARTY DATA**

Name:	NIPPON TELEGRAPH AND TELEPHONE CORPORATION
Street Address:	5-1, OTEMACHI 1-CHOME,
Internal Address:	CHIYODA-KU,
City:	TOKYO
State/Country:	JAPAN
Postal Code:	100-8116

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

Property Type	Number
Application Number:	16484827

#### **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:** (571) 376-6333

**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:	13190US01
NAME OF SUBMITTER:	TIERNEY FARRELL
SIGNATURE:	/Tierney Farrell/
DATE SIGNED:	08/09/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

## **Total Attachments: 4**

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Invention	ASSIGNMENT DEVICE, ASSIGNMENT METHOD, AND ASSIGNMENT PROGRAM	
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 <a href="PCT/JP2017/034354">PCT/JP2017/034354</a> filed on <a href="September 22">September 22</a> , 2017	
The above-identifie	The above-identified application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
"ASSIGNEE") have desirous of acquiring	PON TELEGRAPH AND TELEPHONE CORPORATION (hereinafter referred to as ring places of business at: 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo 100-8116 Japan, is and 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 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 acknow by fine or imprison	ledge 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 OF INVENTOR		
Inventor: Fumiliare Signature:	MANEI Date: June 28, 2019	

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

Title of Invention	ASSIGNMENT DEVICE, ASSIGNMENT M	ETHOD, AND ASSIGNMENT PROGRAM
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The above-identifie	The above-identified application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inven	or of a claimed invention in the application.
WHEREAS, NIPPON TELEGRAPH AND TELEPHONE CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at: 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo 100-8116 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;		
I, by these presents in the United State under the terms of aforesaid application therefor in the Unit	do sell, assign and transfer unto said ASSIGN s and its territorial possessions and in all for the International Convention and other releva on) and the entire right, title and interest in and	eration, the receipt of which is hereby acknowledged, EE, the full and exclusive right to the said invention eign countries (including the right to claim priority at International Treaties and Arrangements from the I to any and all Letters Patent which may be granted any and all foreign countries and in and to any and hereof.
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.		
said invention, and substitute, renewal: Patent to be issued ASSIGNEE, its suc	I testify in any legal proceeding, sign all land reissue applications, execute all necessary to said ASSIGNEE, make all rightful oaths	its representatives any facts known to me respecting awful papers, execute all divisional, continuation, assignment papers to cause any and all of said Letters, and, generally do everything possible to aid said per protection for said invention in the United States
I hereby acknow by fine or imprison	ledge that any willful false statement made in ment of not more than five (5) years, or both.	this declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	INVENTOR	
Inventor: Mitsuak	AKIYAMA	Date: June 28, 2019
Signature: Mt	No ahian	

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is directed to:	United States application or PCT international application number PCT/JP2017/034354 filed on September 22, 2017
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
"ASSIGNEE") hav desirous of acquirin	PON TELEGRAPH AND TELEPHONE CORPORATION (hereinafter referred to as ing places of business at: 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo 100-8116 Japan , is go the entire right, title and interest in and to said invention and in and to any Letters Patent that efore in the United States and its territorial possessions and in any and all foreign countries;
I, by these presents in the United States under the terms of t aforesaid application therefor in the United	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 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 n) and the entire right, title and interest in and to any and all Letters Patent which may be granted and States and its territorial possessions and in any and all foreign countries and in and to any and as, continuations, substitutions and renewals thereof.
and all foreign cour of my entire right, t and assigns, to the f	the and request the Patent Office Officials in the United States and its territorial possessions and any attries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee itle and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors all end of the term for which said Letters Patent may be granted, as fully and entirely as the same ald 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 acknow by fine or imprison	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Yuta TA Signature:	KATA Date: June 28, 2019  Tuti Jakati

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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.	
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by fine or imprison	ledge 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 OF	INVENTOR
Inventor: Takeshi	YAGI Date: June 28, 2019
Signature: J	akeshi Yogi

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> PATENT REEL: 050007 FRAME: 0494

**RECORDED: 08/09/2019**