### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6446398

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SYUHEI YOSHIDA	08/25/2020
YUTA UKON	08/28/2020
KOJI YAMAZAKI	09/02/2020
KOYO NITTA	08/27/2020

#### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	17251739

#### **CORRESPONDENCE DATA**

Fax Number: (972)732-9218

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: 972-732-1001

Email: docketing@slatermatsil.com SLATER MATSIL, LLP **Correspondent Name:** 

17950 PRESTON RD, SUITE 1000 Address Line 1:

Address Line 4: DALLAS, TEXAS 75252

ATTORNEY DOCKET NUMBER:	NTT5196230US1
NAME OF SUBMITTER:	ANN MARTIN
SIGNATURE:	/Ann Martin/
DATE SIGNED:	12/11/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4** 

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**PATENT** REEL: 054622 FRAME: 0449

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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	PARAMETER OPTIMIZATION DEVICE, METHOD AND 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 <u>PCT/JP2019/020104</u> filed on <u>May 21, 2019</u>
The above-identifie	d 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, NIPPON TELEGRAPH AND TELEPHONE CORPORATION(hereinafter referred to as "ASSIGNEE") having places of business at: 5-1, Otemachi I-chome, Chivoda-ku, Tokyo 100-8) 16 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.	
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.
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 d testify 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 I to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said excessors and assigns, to obtain and enforce proper protection for said invention in the United States are said in any and all foreign countries.
	vledge 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	e ,
Inventor: Koyo	NITTA Date: 27/Aug/2020
Signature:	\$1 0 3 2b

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

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This declaration [	l The attached application, or
is directed to:	United States application or PCT international application number PCT/JP2019/020104 filed on May 21, 2019
The above-identifie	d 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, NIPPON TELEGRAPH AND TELEPHONE CORPORATION (hereinafter referred to as "ASSIGNEE") having places of business at: 5-1, Otemachi 1-chome, Chivoda-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;	
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: Yuta U	KON Date: 8/28 /2 02 0
Signature: Yut	a Ukon

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As the below name	d inventor, Thereby declare that:	
This declaration U	The attached application, or	
is directed to:	United States application or PCT is on <u>May 21, 2019</u>	stemational application number PCT/JP2919/029194 filed
The above-identific	d application was made or authorized	I 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, <u>NIPPON TELEGRAPH AND TELEPHONE CORPORATION</u> (hereinafter referred to as "ASSIGNEE") having places of business at: <u>S-1. Otemachi 1-chome. Chiyoda-ku. Tokyo 106-8116 Japan</u> , 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 is and its territorial possessions and i the International Convention and oth in) and the entire right, title and imen	te consideration, the receipt of which is hereby acknowledger ASSIGNEE, the full and exclusive right to the said inventio in all foreign countries (including the right to claim priorit or televant International Treaties and Arrangements from these in and to any and all Letters Parent which may be grante as and in any and all foreign countries and in and to any an mewals thereof.
and all foreign cour of my entire right, and assigns, to the	niries to issue any and all of said Lett litle and interest in and to the same, fo	ials in the United States and its territorial possessions and an ers Patent, when granted, to said ASSIGNEE as the assigne or the sole use and behoof of said ASSIGNEE, its successoraters Patent may be granted, as fully and entirely as the samule 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, communition, 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.		
	dedge that any willful false statement ment of not more than five (5) years,	made in this declaration is punishable under 18 U.S.C. 100 or both.
LEGAL NAME OF	FINVENTOR	
Inventor: Koji Y	AMAZAKI	Date: <u>Sep</u> . 2, 2020
Signatura: (	以 山為 晃着河	7

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

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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 <u>PCT/JP2019/020104</u> filed on <u>May 21, 2019</u>
The above-identific	ed application was made or authorized to be made by me.
WHEREAS, NIPP "ASSIGNEE") hav desirous of acquiri may be granted the	the original inventor or an original joint inventor of a claimed invention in the application.  ON TELEGRAPH AND TELEPHONE CORPORATION(hereinafter referred to as ving places of business at: 5-1, Otemachi 1-chome, Chivoda-ku, Tokyo 100-8116 Japan, is not the entire right, title and interest in and to said invention and in and to any Letters Patent that prefore 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 Uni	FORE, 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 as 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 ses, continuations, substitutions and renewals thereof.
and all foreign cou of my entire right, and assigns, to the	ize and request the Patent Office Officials in the United States and its territorial possessions and any entries 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 leld by me had this Assignment and sale not been made.
said invention, an substitute, renewal Patent to be issue ASSIGNEE, its su	that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting d testify 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 d to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said eccessors and assigns, to obtain and enforce proper protection for said invention in the United States ossessions and in any and all foreign countries.
	wledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 unent of not more than five (5) years, or both.
LEGAL NAME O	F INVENTOR
Inventor: Syuhe	i YOSHIDA Date: August 25th 2020
Signature: Sh	chei Yoshida

PATENT REEL: 054622 FRAME: 0454

**RECORDED: 12/11/2020**