#### 506705253 06/09/2021

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6752072

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
SEIJI OKAMOTO	08/17/2020
ETSUSHI YAMAZAKI	08/21/2020
MASANORI NAKAMURA	08/20/2020
YOSHIAKI KISAKA	08/19/2020
MASAHITO TOMIZAWA	11/13/2020

### **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:	1008116	

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

Property Type	Number
Application Number:	17056719

### **CORRESPONDENCE DATA**

Fax Number: (248)641-0270

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 248.641.1230

Email: troymailroom@hdp.com, jmudge@hdp.com HARNESS, DICKEY & PIERCE, P.L.C. **Correspondent Name:** 

5445 CORPORATE DRIVE Address Line 1:

Address Line 2: SUITE 200

Address Line 4: TROY, MICHIGAN 48098

ATTORNEY DOCKET NUMBER:	5259-000354-US-NP
NAME OF SUBMITTER:	JESSICA MUDGE
SIGNATURE:	/Jessica Mudge/
DATE SIGNED:	06/09/2021

# **Total Attachments: 5**source=EXECUTED\_Declaration and Assignment2#page1.tif source=EXECUTED\_Declaration and Assignment2#page2.tif source=EXECUTED\_Declaration and Assignment2#page3.tif

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Title of SIGNAL PROCESSING APPARATUS AND SIGNAL PROCESSING METHOD
Invention
As the below named inventor, I hereby declare that:
This declaration  The attached application, or
is directed to: X United States application or PCT international application number PCT/IP2019/018608 filed on May 9, 2019
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, NIPPON TELEGRAPH AND TELEPHONE CORPORATION
(hereinafter referred to as "ASSIGNEE") having places of business at: 5-1, Otemachi 1-chome, Chiyoda-ku, Tok 100-8116 Japan, is desirous of acquiring the entire right, title and interest in and to said invention and in and to a 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 acknowledge 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 priori under the terms of the International Convention and other relevant International Treaties and Arrangements from taforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be grant 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 at and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assign of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successor and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the sar 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 respective 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 Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid sate ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United State 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. 10 by fine or imprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR
Inventor: Seiji OKAMOTO Date: Aug. 17. 2020
Signature Leiji Okamoto

Title of SIGNAL PROCESSING APPARATUS AND SIGNAL PROCESSING METHOD Invention
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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.
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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: Etsushi YAMAZAKI Date: Aug. 2/St , 2020
Signature: Tanahi Yamazarli

-	Title of SIGNAL PROCESSING APPARATUS AND SIGNAL PROCESSING METHOD
***************************************	Invention
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	Inventor: Masanori NAKAMURA Date: August 20, 2020
	Signature: Moranovi Nakamwa
	Signature: "TOO TOO TOO TOO TOO TOO TOO TOO TOO TO

Title of

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Inventor: Yoshiaki KISAKA Date: Aug. 19, 2020 Signature: Joshiaki Hisaka	

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LEGAL NAME OF INVENTOR	
Inventor: Masahito TOMIZAWA Date: 2000.11./3	
Signature: Matabulo Tomisacuti	

PATENT REEL: 056482 FRAME: 0432

RECORDED: 06/09/2021