506798955 08/03/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kotaro Ono	03/02/2021
Naoki Higo	03/16/2021
Takuma TSUBAKI	03/02/2021
Yusuke Urata	03/06/2021
Ryota Ishibashi	03/02/2021
Kenta Kawakami	03/17/2021
Takeshi Kuwahara	03/03/2021

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:	17424242

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: +1 (404) 724-2773

Email: apsi@fr.com
Correspondent Name: ERICA M. DAVIS

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	49369-0311US1
NAME OF SUBMITTER:	LAURA MURPHY
SIGNATURE:	/Laura Murphy/

506798955 REEL: 057066 FRAME: 0335

DATE SIGNED:	08/03/2021
Total Attachments: 7	
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source=0311US1#page7.tif	

Title of CLUSTERING SYSTEM AND CLUSTERING METHOD Invention
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/JP2020/001136 filed on January 16, 2020
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, Tokyo, Japan 100-8116, 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 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: Kotaro ONO Date: March 2, 2021
Signature: 八里 孝太郎

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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: Naoki HIGO Date: 2021. 3. 16 Signature: Marki Higo

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Inventor: Takuma TSUBAKI Date: 2021, 3.2
Signature: Tokuro [spac?

Invention CLUSTERING SYSTEM AND CLUSTERING METHOD
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LEGAL NAME OF INVENTOR
Inventor: Yusuke URATA Date: War. 6th 2021
Signature: Churches, Urata

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Inventor: Ryona ISHIBASHI Date: 1/01-2-2-1
Signuture: DAGA TALIGAT

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LEGAL NAME OF	
Inventor: Kenta K	AWAKAMI Date: 2021.3 17
Signature:	111 ± 18 e

PATENT REEL: 057066 FRAME: 0343

RECORDED: 08/03/2021