## 506206372 08/17/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6253112

SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYAR	NCE:		ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ					
		1	Name			Execution Date
KENICHI MARUHASHI						06/29/2020
SAKOTO ITAYA						06/26/2020
FUMIHIDE KOJIMA						06/24/2020
RECEIVING PARTY DA	ТА					
Name:	1		NSTITUTE OF INFORM	ATION AI		MUNICATIONS
Street Address:	4-2-1 N	IUKUI-	KITAMACHI			
City:	KOGAI	NEI-SH	ΙΙ, ΤΟΚΥΟ			
State/Country:	JAPAN	J				
Postal Code:	184-87	'95				
PROPERTY NUMBERS Property Type			Number		]	
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	PATA e sent to provideo	16970 (212)3 o the e d; if tha 21231 tmcdo HOLT. 630 N SUITE NEW	443 319-5101 -mail address first; if at is unsuccessful, it 94900 nald@HHPATENT.CC Z, HOLTZ & VOLEK P INTH AVENUE 1010 YORK, NEW YORK 10	<i>will be se</i> M C 0036-3744		
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Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NUNAME OF SUBMITTER:	PATA e sent to provideo	16970 (212)3 o the e d; if tha 21231 tmcdo HOLT, 630 N SUITE NEW	443 319-5101 -mail address first; if at is unsuccessful, it 94900 nald@HHPATENT.CC Z, HOLTZ & VOLEK P INTH AVENUE 1010 YORK, NEW YORK 10 20179 TAYLER MCDONALD	<i>will be se</i> M C 0036-3744		
Property Type Application Number: CORRESPONDENCE D Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 2: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE:	PATA e sent to provideo	16970 (212)3 o the e d; if tha 21231 tmcdo HOLT 630 N SUITE NEW	443 319-5101 -mail address first; if at is unsuccessful, it 94900 nald@HHPATENT.CC Z, HOLTZ & VOLEK P INTH AVENUE 1010 YORK, NEW YORK 10 20179 TAYLER MCDONALD /Tayler McDonald/	<i>will be se</i> M C 0036-3744	nt via US	S Mail.

## Total Attachments: 3

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As the below named inventor, I hereby declare that:

This declaration is directed to PCT international application number <u>PCT/JP2019/009369</u> filed on March 8, 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.

In consideration of value received, I sell and assign to <u>NATIONAL INSTITUTE OF INFORMATION AND</u> <u>COMMUNICATIONS TECHNOLOGY</u>, having a business address at <u>4-2-1 Nukui-Kitamachi, Koganei-shi,</u> <u>Tokvo, 184-8795, JAPAN</u>, its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention, and in and to ail applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of intellectual property, including rights of priority, resulting from the filing of any of said applications.

I authorize said Assignee to file and prosecute an application or applications for patent for said invention as the applicant, and I request any official whose duty it is to issue patents, to issue any patent on said invention to said Assignee.

I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all 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	
Kenichi MARUHASHI	Honichi markashi	Jano 29, 2020
Satoko ITAYA		
Fumihide KOJIMA		
Inventor (printed name)	Signature	Date

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

> PATENT REEL: 053510 FRAME: 0300

Title of Invention	COMMUNICA METHOD	TIONS NET	WORK SYSTE	M AND COMMUNIC	ATIONS NETWORK
As the below named	inventor, I hereb	y declare th	at:		
This declaration is di March 8, 2019	rected to PCT int	emational a	pplication num	ber <u>PCT/JP2019/009</u>	1369 filed on
The above-identified	application was	made or aut	horized to be r	nade by me.	۰.
I believe that I am th application	e original invento	r or an origit	nal joint inventi	or of a claimed inven	lion in the
Tokyo, 184-8795, JA entire right, title and for said invention, in and extensions there treaties or laws relati the filing of any of sa	<u>TECHNOLOGY</u> <u>PAN</u> , its success interest in and to all countries of the of and all rights is ng to the protections.	, having a b lors, assigns said inventi- le world, incl arising under on of inteller	usiness addres s or nominees, on, and in and luding all divisi r or pursuant to ctual property,	is at <u>4-2-1 Nukui-Kits</u> hereinafter referred to to all applications for ons, reissues, contin any and all internat including rights of pr	amachi, Koganei-shi, to as "Assignee", my "patent and patents uations, substitutions ional agreements, iority, resulting from
I authorize said Assig as the applicant, and invention to said Ass	I request any of				
I agree that on reque communicate to said testify in any legal pr applications, make a Assignee to obtain a	Assignee or its r oceeding, sign al Il rightful oaths al nd enforce prope	epresentativ I lawful pape id declaratic r patent prof	res all facts known ers, execute all ons, and gener tection for said	own to me respecting divisional, continuin ally do everything po invention in all coun	) said invention and g. reissue, or other ssible to ald said tries.
I hereby acknowledg 18 U.S.C. 1001 by fit					shable under
		LEGAL NAM	ME OF INVEN	OR	
Kenichi MARU	HASHI				
Satoko ITA	YA (	Satoko	Itoyo	June 2	6,2020
Fumihide KO			3 —		

**Combined Declaration and Assignment** 

Holtz, Holtz & Volek PC 630 Ninth Avenue, Suite 1010, New York, NY 10036-3744 Tel. (212) 319-4900 Fax. (212) 319-5101

Signature

Inventor (printed name)

PATENT REEL: 053510 FRAME: 0301

Date

	Combii	ned Declaration and Assi	gnment
Title of Invention		ATIONS NETWORK SYSTEM AN	ID COMMUNICATIONS NETWORK
As the below named	inventor, I her	eby declare that:	
This declaration is dir March 8, 2019.	ected to PCT I	nternational application number <u>P</u>	<u>CT/JP2019/009369</u> filed on
The above-identified	application wa	s made or authorized to be made	by me.
I believe that I am the application.	eriginal inven	tor or an original joint inventor of a	claimed invention in the
COMMUNICATIONS Tokyo, 184-8795, JA entire right, title and I for said invention, in and extensions there	TECHNOLOG PAN, its succe nterest in and all countries of of and all right ng to the prote	<u>Y</u> , having a business address at <u>a</u> ssors, assigns or nominees, herein to said invention, and in and to all the world, including all divisions, r s arising under or pursuant to any ction of intellectual property, includents.	TITUTE OF INFORMATION AND I-2-1 Nukui-Kitamachi, Koganei-shi, nafter referred to as "Assignee", my applications for patent and patents eissues, continuations, substitutions and all international agreements, ling rights of priority, resulting from
	I request any	I prosecute an application or applic official whose duty it is to issue pat	ations for patent for said invention ents, to issue any patent on said
communicate to said testify in any legal pro applications, make al	Assignee or it: sceeding, sign Il rightful oaths	further consideration, but at the ex s representatives all facts known to all lawful papers, execute all divisi and declarations, and generally do per patent protection for said inven	o me respecting said invention and onal, continuing, reissue, or other o everything possible to aid said
		ul false statement made in this dec nent of not more than five (5) year	
		LEGAL NAME OF INVENTOR	
Kenichi MARUI	HASHI		
Satoko ITA'	YA		
Fumihide KO.	ЛМА	Fumihide Kojinn	Jun. 24, 2020
Inventor (printed	name)	Signature	Date

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## PATENT REEL: 053510 FRAME: 0302

RECORDED: 08/17/2020