# 506393648 12/09/2020 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6440404

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
FAICHI OHTSUJI			10/21/2020		
RECEIVING PARTY DA	ТА				
Name:	NEC CORPORATION				
Street Address:	7-1, SHIBA 5-CHOME,				
Internal Address:	MINATO-KU,				
City:	ΤΟΚΥΟ				
State/Country:	JAPAN				
Postal Code:	108-8001				
	Total: 1	Numbor			
PROPERTY NUMBERS Property Type Application Number:		<b>Number</b> 6973589			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA (2 e sent to t	6973589 202)293-7860 t <b>he e-mail address first; if that is unsu</b>			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA (2 e sent to t provided; 20	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email:	ATA (2 e sent to t provided; 20 nd	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA (2 e sent to t provided; 20 M	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com IR. JIRO HASHIMOTO NEC-IAC			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	ATA (2 e sent to t provided; 20 M 20	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com IR. JIRO HASHIMOTO NEC-IAC 000 PENNSYLVANIA AVE., NW			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA (2 e sent to t provided; 20 M 20 S	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com IR. JIRO HASHIMOTO NEC-IAC			
Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be using a fax number, if µ</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2:	ATA (2 e sent to t provided; 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com IR. JIRO HASHIMOTO NEC-IAC 000 PENNSYLVANIA AVE., NW SUITE 900			
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:	ATA (2 e sent to t provided; 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com IR. JIRO HASHIMOTO NEC-IAC 000 PENNSYLVANIA AVE., NW UITE 900 VASHINGTON, D.C. 20006	via US Mail.		
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:	ATA (2 e sent to t provided; 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com IR. JIRO HASHIMOTO NEC-IAC 000 PENNSYLVANIA AVE., NW UITE 900 VASHINGTON, D.C. 20006 J-20-0298	via US Mail.		
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: NTTORNEY DOCKET NU	ATA (2 e sent to t provided; 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6973589 202)293-7860 the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 02-775-7585 ecipca@necam.com 1R. JIRO HASHIMOTO NEC-IAC 000 PENNSYLVANIA AVE., NW UITE 900 VASHINGTON, D.C. 20006 J-20-0298 DEANNA THOMAS, SECRETARY	via US Mail.		

source=J-20-0298\_NEW\_APP\_AssignmentwithDeclaration#page2.tif

### ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, I, Taichi OHTSUII, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below;

Whereas, <u>NEC Corporation, 7-1</u>, <u>Shiba 5-chome</u>, <u>Minato-ku</u>, <u>Tokyo 108-8001</u> Japan, desires to acquire the entire and exclusive right, title, and interest in the application and invention, and to any patents that may be obtained therefor in the United States, in any U.S. territorial possessions, and in any and all foreign countries;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/we, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire and exclusive right, title and interest in the application and the invention disclosed therein for the United States, U.S. territorial possessions, and in any and all foreign countries, including all divisions, and continuations, and continuations-in-part thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues and reexaminations, renewals, and substitutions thereof, and including the right to claim priority under 35 U.S.C. §119, and all rights for past infringement, under the International Convention, and under any other relevant International Treaties and Arrangements, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assignee, its successors and assigns, to obtain and enforce proper protection for the invention in connection with the United States and foreign applications, including but not limited to all divisional, continuation, reissue and other applications for Letters Patent on the invention and execute all assignments thereof to the above named assignee its successors and assigns, when called upon to do so by the assignee; and I/we will communicate to the above named assignee or its representatives all facts known to the undersigned respecting the invention, whenever requested, testify in any legal proceedings in which any of the applications or patents may become involved, and do generally everything necessary to assist the above named assignee its successors or assigns to obtain patent protection for the invention in the United States and foreign countries.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

As the below named inventor, I hereby declare that:

This assignment with declaration is directed to:

□ The attached application, or

United States Application or PCT International Application Number <u>PCT/IP2019/023205</u> filed on June 12, 2019 (Confirmation No.\_\_\_\_\_).

The application is entitled:

The above identified application was made or was 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.

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted, including the claims.

I am aware of the duty to disclose to the U.S Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

#### Authorization To Permit Access To Application by Participating Office

□ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the application-as-filed with respect to: 1) the above-identified patent application-as-filed, 2) any foreign application to which the above-identified application claims priority under 35 USC 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application, and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

### PATENT REEL: 054660 FRAME: 0538

NAME OF SOLE OR FIRST INVENTO	)R:			
Given Name				
	Taichi	Family Name or Sumar	ne OHTSUJI	
Inventor's signature Jaie	hi Ohtsuji		Date 2020/10/2/	
Residence: Tokyo, Japan				
Mailing Address: c/o NEC Corporation	, 7-1, Shiba 5-chome, M	inato-ku, Tokyo 108-8001 Japan		
NAME OF SECOND INVENTOR:				
Given Name (first and middle [if any])		Family Name or Surname		
Inventor's signature			Date	
Residence:				
Mailing Address:				
NAME OF THIRD INVENTOR:				
Given Name (first and middle [if any])		Family Name or Sumar	nc	
Inventor's signature			Date	
Residence:				
Mailing Address:				
NAME OF FOURTH INVENTOR:				
Given Name (first and middle [if any])		Family Name or Surname		
Inventor's signature		1	Date	
Residence:				
Mailing Address:				
NAME OF FIFTH INVENTOR:				
Given Name (first and middle [if any])	Family Name or Sumame			
Inventor's signature		1	Date	
Residence:				
Mailing Address:				

[Page 2]

## PATENT REEL: 054660 FRAME: 0539