

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ARUN KUMAR CHANDRAN	01/13/2021
WEN ZHANG	01/06/2021
YUSUKE TAKAHASHI	12/03/2020
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16980726
CORRESPONDENCE DATA	
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Address Line 4:	WASHINGTON, D.C. 20006
ATTORNEY DOCKET NUMBER:	3290000017US01
NAME OF SUBMITTER:	HAFIDA SAMMANE
SIGNATURE:	/Hafida Sammane/
DATE SIGNED:	12/13/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 4	

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

Whereas, I/we, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; (the “invention”) and

Whereas, NEC Corporation, (assignee), 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 assigns; I/we will execute without further consideration all papers deemed necessary by the assignee, and generally perform all necessary acts to aid the 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 PCT/JP2019/008724
filed on February 27, 2019 (Confirmation No. _____).

The application is entitled:

METHOD, SYSTEM AND COMPUTER READABLE MEDIUM FOR INTEGRATION AND AUTOMATIC SWITCHING OF CROWD ESTIMATION TECHNIQUES

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.


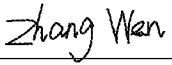
I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

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.

NAME OF SOLE OR FIRST INVENTOR:			
Given Name (first and middle [if any])		Family Name or Surname	
Arun Kumar		CHANDRAN	
Inventor's signature 		Date	
		13-01-2021	
Residence: Singapore			
Mailing Address: c/o NEC Asia Pacific Pte. Ltd., 21, NUCLEOS (NORTH TOWER), BIOPOLIS ROAD, #05-11/12, 138567 Singapore			
NAME OF SECOND INVENTOR:			
Given Name (first and middle [if any])		Family Name or Surname	
Wen		ZHANG	
Inventor's signature 		Date	
		Jan 6th, 2021	
Residence: Shanghai, China			
Mailing Address: c/o NEC Asia Pacific Pte. Ltd., 21, NUCLEOS (NORTH TOWER), BIOPOLIS ROAD, #05-11/12, 138567 Singapore			
NAME OF THIRD INVENTOR:			
Given Name (first and middle [if any])		Family Name or Surname	
Yusuke		TAKAHASHI	
Inventor's signature		Date	
Residence:			
Mailing Address: c/o NEC Asia Pacific Pte. Ltd., 21, NUCLEOS (NORTH TOWER), BIOPOLIS ROAD, #05-11/12, 138567 Singapore			
NAME OF FOURTH INVENTOR:			
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's signature		Date	
Residence:			
Mailing Address:			
NAME OF FIFTH INVENTOR:			
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's signature		Date	
Residence:			
Mailing Address:			

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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 assigns; I/we will execute without further consideration all papers deemed necessary by the assignee, and generally perform all necessary acts to aid the 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.

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NAME OF SOLE OR FIRST INVENTOR:	
Given Name (first and middle [if any])	Arun Kumar
Family Name or Surname	CHANDRAN
Inventor's signature	Date
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NAME OF SECOND INVENTOR:	
Given Name (first and middle [if any])	Wen
Family Name or Surname	ZHANG
Inventor's signature	Date
Residence:	
Mailing Address: c/o NEC Asia Pacific Pte. Ltd., 21, NUCLEOS (NORTH TOWER), BIOPOLIS ROAD, #05-11/12, 138567 Singapore	
NAME OF THIRD INVENTOR:	
Given Name (first and middle [if any])	Yusuke
Family Name or Surname	TAKAHASHI
Inventor's signature <i>Yusuke Takahashi</i>	Date 2020/12/03
Residence:	
Mailing Address: c/o NEC Asia Pacific Pte. Ltd., 21, NUCLEOS (NORTH TOWER), BIOPOLIS ROAD, #05-11/12, 138567 Singapore	
NAME OF FOURTH INVENTOR:	
Given Name (first and middle [if any])	
Family Name or Surname	
Inventor's signature	Date
Residence:	
Mailing Address:	
NAME OF FIFTH INVENTOR:	
Given Name (first and middle [if any])	
Family Name or Surname	
Inventor's signature	Date
Residence:	
Mailing Address:	