PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4972528

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
TAO TAO	10/04/2016	
SANTOH BARDWAJ	04/28/2018	
II SUN YOO	10/07/2016	
YIHUL TANG	10/07/2016	
JEREMY GERSTLE	10/07/2016	

RECEIVING PARTY DATA

Name: CAPITAL ONE SERVICES, LLC		
Street Address: 1680 CAPITAL ONE DRIVE		
City:	MCLEAN	
State/Country:	VIRGINIA	
Postal Code:	22102	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15943898

CORRESPONDENCE DATA

Fax Number: (202)408-4400

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.

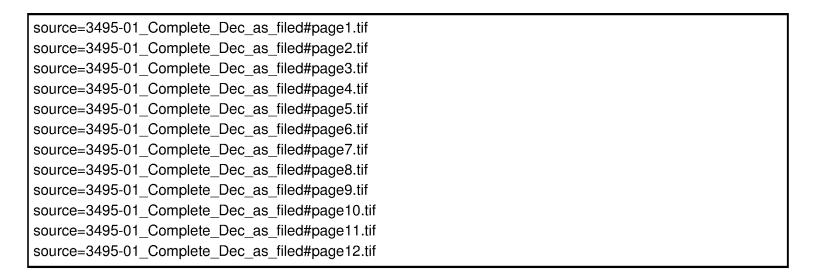
Phone: 202-408-4000

Email: CapOne_USPTO@finnegan.com

Correspondent Name: FINNEGAN/CAPITAL ONE
Address Line 1: 901 NEW YORK AVENUE, NW
Address Line 4: WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	05793.3495-01000		
NAME OF SUBMITTER:	JESSICA L.A. MARKS		
SIGNATURE:	/Jessica L.A. Marks/		
DATE SIGNED:	05/22/2018		
	This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 12



ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinsher referred to as Assignor(s)), of a claimed invention in an

ASSIGNMENT:

application fo	for United States Letters Petent entitled:	
	SYSTEM AND METHOD FOR RISK-AWARE SERVER LOAD BALA!	VCING
filed herewith	th or on, as U.S. Patent Application No(Confirmation No); and
WHEREAS,	, Capital One Services, LLC	
a corporation	on of <u>Delawara</u>	
whose post of	office address is 1650 Capital One Drive, McLean, VA 22102	

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lewful successors and assigns, my/our entire right, title, and interest in and to this invention, U.S. Provisional Application No. 82/239,507, filed October 9, 2015, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filled for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to make respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful paths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, IWE HEREBY authort					
parentheses (Application No.	, filed) the filing date	and application numb	er of said application	on when
known.					

Page 1 of 3

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

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 patent application is filled to have 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, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 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 Offices.

Page 2 of 3

late of) }	3833 3 8 33	Name: Address: By: Date:	Tao Tao 38 Hudoon Wakib Oi 104 Man ha bi George De Losso Jericho , Ni 2222	(an D) 11753
				10/04/2016	
eroled of mowe bns bedingedu	me thisday o , Notery Public	£	, 20	**************************************	
ounly of		329 .	Name: Address:	Sentoh Berdawj 11600 Peavey Street Gkin Allen, VA 23059	PRE TO THE PRESENT OF
tate of			ву:	2001 1000 0 11000000	
3.			Date:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Subscribed and sworn to be	lore me this	day	of	20	
county of	, Notary Public	\$4.	Name: Address: By:	Il Sun Yoo 42-51 Hunter Street, Apt. 5-D Long Island City, NY 11101	
**************************************			Date:		
iobacified and awom to before	me thisasy o	,	20		
County of		38.	Neme: Address:	Yihui Tang 2711 Beliforest Ct-404	
State of	Ì		Әу :	Vienna, VA 22180	
	- 175. 		Date:		
ed of mowe bne bedincedua	fore me this Notary Public	day	of	_, 20	
County of	3	\$ 3 .	Name: Address:	Jeremy Gerstle 2373 Bioedway, Apt. 807 New York, NY 10024	
itsse ol			Ву:	New Tork, NT 19024	
	.cccomminum.		Date:		

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:

WHEREAS I/We, the below named inventor(s).		ıs Assignor(s)),	of a claimed in	vention in an
application for United States Letters Patent entit	led:			

SYSTEM AND METHOD FOR RISK-AWARE SERVER LOAD BALANCING
filed herewith or on, as U.S. Patent Application No(Confirmation No); and
WHEREAS, Capital One Services, LLC a corporation of Delaware
whose post office address is 1680 Capital One Drive, McLean, VA 22102
(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, U.S. Provisional Application No. 62/239,507, filed October 9, 2015, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful paths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.
AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No, filed) the filing date and application number of said application when known.

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by ma; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

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 patent application is filed to have 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, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 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 Offices.

Page 2 of 3

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of	-	88.	Name: Address:	Tao Tao 36 Hudson Watch Dr.	
State of	* * * * * * * * * * * * * * * * * * *		8y:	Ossining, NY 10562	
			Date:		
Subscribed :	and sworn to before me this day , Notary Public	of	20		Q11
County of	<u>LAKE</u> TLLINOIS	SS.	Name: Address:	Santoh Bardawi 11500 Peavey Steel 407 OLD MILL Glen Alles, YA 2305% LINCOLNSHIRE, I	CIR L-6006
State of	ILLINOIS		Бу:	T. L.	
8			Oste:	04-28-2018	
Subscribed	i and sworn to before me this , Notary Public	day	of	20	
County of	}	55.	Name: Address:	Il Sun Yoo 42-51 Hunter Street, Apt. 5-D Long Island City, NY 11101	
State of	\$		By:	Casing takes to Only, Art 1990	
			Date:		
Subscribed	and sworn to before me thisday	of	, 20		
County of		88.	Name: Address:	Yihui Tang 2711 Beliforesi Ct-404 Vienna, VA 22180	
State of			Ву:		ŝ
		Š.	Date:		
Subscriber	and sworn to before me this , Notary Public		/ 01	, 20	
County of	}	88.	Name: Address:	Jeremy Gerstle 2373 Broadwey, Apt. 807 New York, NY 10024	
State of	Š		By:	MAN TOLK U.C. LONGA	
			Date:		
Subscribed	and swern to before me thisday	of	, 20		
	, Notary Public				

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:
WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of a claimed invention in an application for United States Letters Patent entitled:
SYSTEM AND METHOD FOR RISK-AWARE SERVER LOAD BALANCING
filed herewith or on, as U.S. Petent Application No(Confirmation No); and
WHEREAS, Capital One Services, LLC
a corporation of Delaware
whose post office address is 1980 Capital One Drive, McLean, VA 22102
(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, U.S. Provisional Application No. 82/239,507, filed October 9, 2015, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filled for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;
AND, I/WE HEREBY covenant that I/We have the full right to convey the Interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all iswful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.
AND, INVEHEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No, filed) the filing date and application number of said application when known.

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful faise statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all Information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

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 patent application is filled to have 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, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filled to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 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 Offices.

Page 2 of 3

IN T	TESTIMONY WHEREOF, I/We	have here	ounto set o	ur hends.
County of	}	88,	Nams: Address.	Tao Tao 36 Hudson Watch Dr. Ossining, NY 10562
State of	*		Sy:	Ogening, AT Tubor
		8	Date:	
			John Sein	
	d swom to before me thisd Notery Public	ey of }	20	
***************************************			38	
County of _		2000	Name: Address:	Santoh Berdawj 11800 Peavey Street
ec ecc. 43 ⁸		88.	Andreas.	Glen Allen, VA 23059
State of	•		By:	
×.			Date:	

Subscribed a	and sworn to before me this	an de	' of	, 20
\$10×10000000000000000000000000000000000	Notary Pub	310		**
County of		\$7	Name:	II Sun Yoo 42-51 <u>Himter Street, Apt. 5-D</u>
	\$: : : : : : : : : : : : : : : : : : :	.· 65.	Address	Logoffishol City, NY 11101
State of	į.		By:	
***			Dete:	. 6. 5 .
				(0)11/14
Subscribed an	5 5 may a croted at may a public	ay of	80	
	Notary Public	*:		
County of			Name:	Yihui Tang
7.000000000000000000000000000000000000	· · · · · · · · · · · · · · · · · · ·	ss.	Address:	2711 Bellforest Ct-404 Vlenna, VA 22180
State of	\$		Ву:	3.00/18/00 ¹ A.V.W. 5.A.C.
**			Date:	
			CONTROL S	
Cuhonebod a	und eworn to before me this	day	of.	20
Attheway on a	Notary Pub		A. ************************************	
County of			Name:	Janumy Geretie
won gan		53.	Aridress.	2373 Broadway, Apt. 807
State of			By:	New York, NY 10024
			660	72.70
"	702 maga 19 maga 19 10 10 10 10 10 10 10 10 10 10 10 10 10		Cate:	10/07/2016
C	Journa in busines ma 1965	sy of	20	
entractions au	d seem to belore me this d , Notary Public	** ^*	and the same	••••••••••••••••••••••••••••••••••••••

Page 3 of 3

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:	
WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of a claimed inventoring application for United States Letters Patent entitled:	ention in an
SYSTEM AND METHOD FOR RISK-AWARE SERVER LOAD BALANCING	
filed herewith or onas U.S. Patent Application No(Confirmation No); and	**************************************
WHEREAS, Capital One Services, LLC	
a corporation of Delaware	entre constituent de la constituent de
whose post office address is1680 Capital One Drive. McLean, VA 22102	
(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to t countries throughout the world, and in and to the application for United States Letters Patent on this inve Letters Patent to be issued upon this application;	his invention in all antion and the
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Ass acknowledged, I/We, as Assignor(e), have sold, assigned, transferred, and set over, and do hereby sell, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest invention, U.S. Provisional Application No. 62/239,507, filled October 9, 2015, and this application, and a continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all and all rights to claim priority in any foreign country on the basis of the above provisional application (if a rights to claim priority on the basis of this application in any foreign country, and all applications for Letter may hereafter be filled for this invention in any foreign country and all Letters Patent which may be grant invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby au request the Director of the United States Patent and Trademark Office and any official of any foreign could is to issue patents on applications as described above, to issue all Letters Patent for this invention to As successors and assigns, in accordance with the terms of this Assignment;	assign, transien, in and to this all divisions, and relissues thereof, any), as well as all ers Patent which ed on this and untry whose duty it signes, its
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assign have not executed and will not execute any agreement in conflict with this Assignment;	nment, and I/We
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communic its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal pail lawful papers when called upon to do so, execute and deliver any and all papers that may be necess perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continues applications, make all rightful caths and generally do everything possible to aid Assignee, its successions, to obtain and enforce proper patent protection for this invention in the United States and any for being understood that any expense incident to the execution of such papers shall be borne by the Assignuccessors and assigns.	ary or desirable to tuation, and coessors and reign country, if
AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application parentheses (Application No. filed) the filling date and application number of said a	n, insert here in application when

Page 1 of 3

known.

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

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 patent application is filled to have 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, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filled to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 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 Offices.

Page 2 of 3

IN TESTIMONY WHEREOF, I/We have hereunto set our hands. Tao Tao Mame: County of 36 Hudson Watch Dr. Address: 33 Ossining, NY 10562 By: State of Date: Santoh Bardawi Name: County of 11600 Peavey Street Glen Allen, VA 23059 Address: 88. Ву: State of Date: Subscribed and sworn to before me this , Notary Public Name: II Sun Yoo County of 42-51 Hunter Street, Apt. 5-D agasbbA 88. Long Island City, NY 11101 By: State of Date: day of Subscribed and sworn to before me this Notary Public Name: Yihui Tang County of 2711 Beliforest Ct-404 Address: Vienna, VA 22180 By: State of Date: Subscribed and swom to before me this , Notary Public Namn: Jeremy Gerstle County of 2373 Broadway, Apt. 807 Acidross. New York, NY 10024 Øy. State of Date: Subscribed and swom to before me this , Notary Public

Page 3 of 3