504041864 10/07/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4088525

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAO TAO	10/04/2016
II SUN YOO	10/07/2016
YIHUI 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:	15288481

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: 571-203-2788

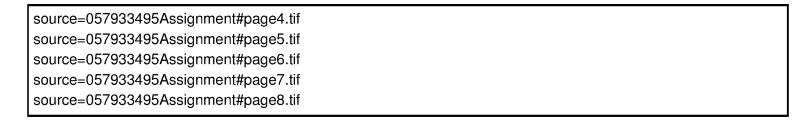
Email: CapOne_USPTO@finnegan.com

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

ATTORNEY DOCKET NUMBER:	05793.3495
NAME OF SUBMITTER:	KAI RAJAN
SIGNATURE:	/Kai Rajan/
DATE SIGNED:	10/07/2016

Total Attachments: 8

source=057933495Assignment#page1.tif source=057933495Assignment#page2.tif source=057933495Assignment#page3.tif



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. 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 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, 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.

Page 1 of 3

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

County of		58,	Name: Address:	Tao Tao 36 Hudoon Watch Or 104 Manhattan Dr
State of		(20,20.)	By:	Tao Tao 36 Hudoon Watch Or 104 Manhatlan Dr Gesining AV 10582 Jericho, NY 11753
Giade Ui	SS SS.	20	۵,۰	- de de de
			Date:	70/04/2016
Subscribed a	and swom to before me this day	of	,20	
41301441114320441406041	, Notary Public			
County of			Name:	Santoh Bardawj
		sa.	Address:	11600 Peavey Street Glen Allen, VA 23059
State of	*		By:	Ger Alen, VA 2000a
			Date:	
Subscribed	and sworn to before me this	dav	of	. 20
,	, Notary Public		· ·	
County of	· · · · · · · · · · · · · · · · · · ·		Name:	Il Sun Yoo
mmmusem.	\$	88.	Address:	42-51 Hunter Street, Apt. 5-D
State of			Ву:	Long Island City, NY 11101
			Date:	
	8		. 202	
Subscribed s	and sworn to before me this day , Notary Public	Of	, 20	<u></u>

County of)		Name:	Yihul Tang
	*	88.	Address:	2711 Beliforest Ct-404 Vienna, VA 22180
State of	ý		Ву:	
	×		Date:	· · · · · · · · · · · · · · · · · · ·
~ · · · · · · · · · · · · · · · · · · ·	60000000000000000000000000000000000000	ad according		20
Supscribed	l and sworn to before me this , Notary Public	day	ut	, 20
Comment	X		Name:	In communic Countillo
County of		SS.	Address:	Jeremy Gerstle 2373 Broadway, Apt. 807
Otato ai	•		ву;	New York, NY 10024
State of				
	**************************************		Date:	
Subscribed	and sworn to before me this day	of	, 20	
	, Notary Public	Z	······································	**************************************

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. Patent Application No(Confirmation No); and
WHEREAS, Capital One Services, LLC
a corporation of
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 al 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 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, 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

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3495-00000

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.

County of}	58.	Name: Address:	Tao Tao 36 Hudson Watch Dr.	
State of 3		Ву:	Ossining, NY 10562	
	i,	Date:		
Subscribed and swom to before me this	day of		-	
, Notary Pub	8.4	di Whi	M.	
County of	88.	Name: Address:	Santoh Berdawi 11600 Peavey Street	
State of	::** :**	By;	Glen Allen, VÁ 23059	
, , , , , , , , , , , , , , , , , , ,		CelsC		
Subscribed and sworn to before me this	ıblic (tay of		: 107
County of)	36 230 h	Name:	Il Sun Yoo	
	. SS.	Address:	42-51 Hunter Street, Apt. 5-D Logo Sland City, NY 11101	
State of)		By:		
		Date:	10/1/16	
Subscribed and swom to before me this, Notary Pub	day of	,20		
		89222	May 1 Taka	
County of	SS.	Name: Address:	Yihul Tang 2711 Bellforest Ct-404 Vienna, VA 22180	
State of		Ву:	Visiting, VALCE 100	
		Date:		
Subscribed and sworn to before me this	(lav of		
, Notary Pt	iblic			
County of	SS.	Name: Address:	Jeremy Gerstle 2373 Broadway, Apt. 807	
State of		By:	New York, NY 10024	
		Date:	<u> </u>	
Q . 40	10000000 F	***	10/01/6010	
Subscribed and sworn to before me this, Notary Pub	gay or	, 20		

Page 3 of 3

ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:

WHEREAS IM/a, the helow 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. Patent Application No(Confirmation No); and				
WHEREAS, Capital One Services, LLC				
a corporation of Delaware				
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 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 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 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 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, 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 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 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.

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

County of}	~~	Name:	Tao Tao
	SS.	Address:	36 Hudson Watch Dr. Ossining, NY 10562
State of		Ву:	
		Date:	
		pate.	
Subscribed and sworn to before me thisda	ev of	, 20	
Notary Public			
County of		Name:	Santoh Bardawj
* * * * * * * * * * * * * * * * * * *	SS.	Address:	11600 Peavey Street Glen Allen, VA 23059
State of		Ву:	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Date:	
		Date	
and the desired and a second to be forced and their	ನಂ	y of	, 20
Subscribed and sworn to before me this, Notary Publ	ic ua	y 01	
			* * * *
County of		Name: Address:	Il Sun Yoo 42-51 Hunter Street, Apt. 5-D
*	88.	MUUIDOO	Long Island City, NY 11101
State of		Ву:	and the second second
		Date:	

Subscribed and sworn to before me thisd	ay of	, 20	
, Notary Public		8	
County of)		Name:	Yihui Tang
	88.	Address:	2711 Beliforest Ct-404 Vienna, VA 22180
State of		Ву:	Gihu Tang
			<u> </u>
		Date:	10/07/2016
Subscribed and sworn to before me this	da	y of	, 20
, Notary Pub	liC:		
County of		Name:	Jeremy Gerstle
)	SS.	Address:	2373 Broadway, Apt. 807
State of		By:	New York, NY 10024
State or			
		Date:	Section 2011 - 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	:8	333	
Subscribed and sworn to before me thisd, Notary Public	ay of :	, 20	
t creative in a series			#Y-

Page 3 of 3