# 505377187 03/15/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5423980

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
RYAN FOX	03/06/2019
JONATHAN WEIMER	07/12/2017
MEGHNATH SHARMA	07/12/2017
CHARLES W. HALL	05/17/2018

## **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:	15642259

# **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:** 2024084000

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:	05793.3594-00000		
NAME OF SUBMITTER:	WANDA WHITTINGTON		
SIGNATURE:	/Wanda Whittington/		
DATE SIGNED:	03/15/2019		

## **Total Attachments: 8**

source=FH 3594 Assignment#page1.tif source=FH 3594 Assignment#page2.tif source=FH 3594 Assignment#page3.tif

PATENT 505377187 REEL: 048609 FRAME: 0745

source=FH 3594 Assignment#page4.tif	
source=FH 3594 Assignment#page5.tif	
source=FH 3594 Assignment#page6.tif	
source=FH 3594 Assignment#page7.tif	
source=FH 3594 Assignment#page8.tif	

PATENT REEL: 048609 FRAME: 0746

## ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

#### ASSIGNMENT:

WHEREAS We, the below-named inventors, (hereinafter referred to as Assignors), of an invention entitled: SYSTEMS AND METHODS FOR SECURE REMOTE IDENTITY VERIFICATION filed herewith; 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. We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 62/358,535, filed July 5, 2016, 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, 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 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment; AND, WE HEREBY further covenant and agree that 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, 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 2

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.

### IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of		unani	Name:	(73.00   1 OX	1479 Riley Wills Rd tebanon, OH 45036
	· · · · · · · · · · · · · · · · · · ·	88.	Address:	8624 Camden Street Alexandria, VA 22308	
State of	Ţ.		By:	Makanina Alexano	
State Of			Date:	7	3/6/2019
			water.	***************************************	
Subscribed	and sworn to before me this d	ay of	. 20	:	
	, Notary Public	;		••••	
:					
OPPORTUGING LIGHT	4		Name:	Jonathan Weimer	
County of		00	Address:	3720 Huntmaster Cour	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	<u> </u>	88.	Muuleaa.	Henrico, VA 23233	<u>C</u>
State of	3		By:	TICHING, VA KOKOG	
State Of	*		Date:		
			water.		
Subscribed	and sworn to before me this d	av of	. 20		
**************************************	, Notary Public	3		<del>india</del>	
700000000000000000000000000000000000000					
County of	*		Name:	Meghnath Sharma	
county of		SS.	Address	13604 Springhaven Dri	ve
	· *			Chanitlly, VA 20151	
State of	·		By:		
	9		Date:	· · · · · · · · · · · · · · · · · · ·	
					**
Subscribed	and sworn to before me this d	ay of	, 20	********	
***************************************	, Notary Public	2			
County of	)		Name:	Charles W. Hall	
	}	<b>S</b> S.	Address:	5 Red Fox Road	
	)			Manakin-Sabot, VA 23	103
State of	<u> </u>		By:	· • • • • • • • • • • • • • • • • • • •	***************************************
			Date:		
A			. 20		
Subscribed	and sworn to before me this d , Notary Public	ay or	, 20	<del></del> :-	
	inotary Public	μ.			

JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3594-00000

# ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

	N		

ANHENERO AND the Delow-damed invalitors: (transmatter relation to as Assignors), or an invalidor emitted.	
SYSTEMS AND METHODS FOR SECURE REMOTE IDENTITY VERIFICATION	· 8.
filed herewith; and	38
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, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 62/358,535, filed July 5, 2016, 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, 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 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that 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, WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No. 45245/2003) filed 5200 the filing date and application number of said application when known.

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.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of	33.	Name: Address:	Ryan Fox 8621 Camden Street Alexandria, VA 22308
State of		By. Date:	
Subscribed and swom to before me thisday	y of	, 20	<del>****</del> *
County of	<b>33</b>	Name: Address: By: Date:	Jonathan Weimer 3720 Huntmaster Court Henrico, VA 23223
Subscribed and sworn to before me this da	y of		
County of	SS	Name: Address	Meghnath Shamia 13604 Saringhavan Drive
State of		By: Date:	Chanitily, VA 20151
Subscribed and sworn to before me this da	y of	20	
County of}	SS	Name Address	Charles W. Hall 5 Red Fox Road
State of 3		By. Date:	Manakin-Sabot, VA 23103
Subscribed and sworn to before me this da, Notary Public	y of	20	* ************************************

# ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:
WHEREAS We, the below-named inventors, (hereinafter referred to as Assignors), of an invention entitled:
SYSTEMS AND METHODS FOR SECURE REMOTE IDENTITY VERIFICATION filed herewith; 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. We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, provisional Application No. 62/358,535, filed July 5, 2016, 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, 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 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, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We have not executed and will not execute any agreement in conflict with this Assignment;
AND, WE HEREBY further covenant and agree that 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, 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.

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.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of	88.	Name: Address;	Rysn Fox 3821 Camden Street Alaxandria, VA 22308
State of		By: Date:	77555740000
Subscribed and sworn to before me this da , Notary Public	iy of		* *
County of} State of	SS.	Name: Address: By: Date:	Jonathan Weirner 3720 Huntmaster Court Henrico, VA 23233
Subscribed and sworn to before me this da	ıy of	20	
County of}	55.	Name: Address:	Meghnath Sharma 13804 Springhaven Drive
Siate of)		By: Date:	Chanelly, VA 20151
Subscribed and sworn to before me thisda , Notary Public	ay of	. 20	We are the second of the secon
County of	88	Name: Address:	Charles W. Hall 5 Red Fox Road Manakin-Sabot, VA 23103
State of		By: Date:	
Subscribed and sworn to before me this da Notary Public	ay of		

# ASSIGNMENT AND DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:					
WHEREAS We, the below-named inventors, (hereinafter referred to as Assignors), of an invention entitled:					
SYSTEMS AND METHODS FOR SECURE REMOTE IDENTITY VERIFICATION					
filed herewith; 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 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 here acknowledged, We, as Assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention provisional Application No. 62/358,535, filled July 5, 2016, and this application, and all divisions, and continuations the and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to of priority in any foreign country on the basis of the above provisional application, as well as all rights to claim priority or basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filled for invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, all extensions, renewals, and reissues thereof; and We hereby authorize and request the Director of the United State Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications a described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance the terms of this Assignment;	r, and on, lereof, laim the this and es				
AND, WE HEREBY covenant that We have the full right to convey the interest assigned by this Assignment, and We not executed and will not execute any agreement in conflict with this Assignment;	have				
AND, WE HEREBY further covenant and agree that We will, without further consideration, communicate with Assigne successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable 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 being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.	⊢all to I				
AND, WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here parentheses (Application No, filed) the filing date and application number of said application when known.	in				

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.

IN TESTIMONY WHEREOF, We have hereunto set our hands.

County of	85.	Name: Address:	Ryan Fox 8621 Camden Street		
State of	A	By: Date:	Alexandria, VA 22308		
Subscribed and aworn to before me this day , Notary Public	of	, 20			
County of State of	88.	Name: Address: By:	Jonathan Weimer 37/26 Huntmester Court Henrico, VA 23/23		
Subscribed and swom to before me this day Notary Public	of	Date: **-	7-13-17		
County of	ଞ୍ଜ	Name: Address:	Meghnath Sharma 13804 Springhaven Drive		
State of \$		By: Date:	Charitty, VA 20151		
Subscribed and swom to before me this day	of	, 20	***		
County of	33,	Name: Address:	Charles W. Half S Red Fox Road Manakin-Sabot, VA 23103		
State of		By: Date:			
Subscribed and sworn to before me this					

Page 2 of 2

PATENT REEL: 048609 FRAME: 0754