PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4880550

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TRACI NGUYEN	04/03/2017
LILA FAKHRAIE	11/01/2016
ANTHONY BURTON	11/02/2016
ALYCE F. THORNTON	03/21/2018
RAVI THOTA	02/20/2018

RECEIVING PARTY DATA

Name: WELLS FARGO BANK, N.A.	
Street Address: 420 MONTGOMERY STREET	
City: SAN FRANCISCO	
State/Country: CALIFORNIA	
Postal Code:	94104

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15337879

CORRESPONDENCE DATA

Fax Number: (651)735-1102

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: 651 735 1100

Email: pairdocketing@ssiplaw.com

Correspondent Name: SHUMAKER & SIEFFERT, P. A./WELLS FARGO

1625 RADIO DRIVE, SUITE 100 Address Line 1: WOODBURY, MINNESOTA 55125 Address Line 4:

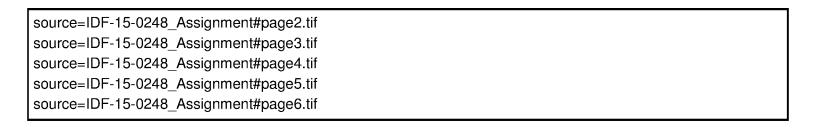
ATTORNEY DOCKET NUMBER:	1234-006US01	
NAME OF SUBMITTER:	JONATHON ACHEY	
SIGNATURE:	/jonathon achey/	
DATE SIGNED:	03/23/2018	

Total Attachments: 6

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PATENT REEL: 045324 FRAME: 0173

504833813



PATENT REEL: 045324 FRAME: 0174

Docket No.: 1234-006US01

ASSIGNMENT

Whereas I/we, the below named inventor(s), have made an invention in

	SECURE DATA EXCHANGE		
	for which an application for a United States Patent or a U.S. Provisional Application contemporaneously herewith;	is being filed	
\boxtimes	for which an application for a United States Patent identified as U.S. Patent Applicat on October 28, 2016;	ion No. 15/337,879 ; w.	as filed
	for which an application for a U.S. Provisional Application No.	; was filed on	····;
\boxtimes	for which above application claims priority to U.S. Provisional Patent Application N October 28, 2015;	o(s). 62/247,653, filed	on
	which application is identified as PCT International Patent Application No.	; filed	;

Whereas, Wells Fargo Bank, N.A., a national banking association having a principal place of business at 420 Montgomery Street, San Francisco, California 94104, U.S.A., hereinafter referred to as "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefore;

NOW, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to said invention, including all patent applications therefor that may have been filed or may be filed hereafter for said invention, including but not limited to the application(s) identified above and in and to any application claiming benefit thereto and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefore including our rights under the International Convention for the Protection of Industrial Property, which include the right to claim priority based on the filing date of said application(s), and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may have granted or may be granted hereafter, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made; together with all claims for damages by reason of past infringement or for provisional rights that have or may have accrued prior to the date of assignment to said Assignee, or may accrue hereafter, and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

AND, for the consideration aforesaid, we materially represent to Assignee, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to communicate to Assignee, its successors and assigns, or their representative or agents, all facts and information known or available to us respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by Assignee; and to testify in person or by affidavit as required by Assignee, its successors and assigns, in any such proceeding in the United States or a country foreign thereto;

Assignment

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Assignee, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Assignee, its successors or assigns, but at Assignee's expense.

I/We hereby authorize the Assignee, its successors and assigns, to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

I/We do hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the said applications, to said Assignee, as the assignee of the entire right, title, and interest therein.

I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle initial [if any]): Traci	Family Name or Surname (last name): Nguyen		
Inventor's Signature:		Date: Apr 3, 2017	
Given Name (first and middle initial [if any]): Lila	Family Na Fakhraie	Jame or Surname (last name):	
Inventor's Signature:		Date: Nov 1, 2016	
Given Name (first and middle initial [if any]): Anthony Family Name (first and middle initial [if any]): Burton		Name or Surname (last name)	
Inventor's Signature:		Date: Nov 2, 2016	
Given Name (first and middle initial [if any]): Alyce F. Family No. Thornton		ame or Surname (last name):	
Inventor's Signature:		Date:	
Given Name (first and middle initial [if any]): Family Name Ravi Thota		ame or Surname (last name):	
		.Date:	

Docket No.: 1234-006US01

ASSIGNMENT

Whereas I/we, the below named inventor(s), have made an invention in

	SECURE DATA EXCHANGE		
	for which an application for a United States Patent or a U.S. Provisional Application is being filed contemporaneously herewith;		
Ø	for which an application for a United States Patent identified as U.S. Patent Application No.15/337,879; was filed on October 28, 2016;		
	for which an application for a U.S. Provisional Application No; was filed on;		
\boxtimes	for which above application claims priority to U.S. Provisional Patent Application No(s). 62/247,653, filed on October 28, 2815;		
	which application is identified as PCT International Patent Application No; filed;		
	Whereas, Wells Fargo Bank, N.A., a national banking association having a principal place	: <i>t</i>	

business at 420 Montgomery Street, San Francisco, California 94104, U.S.A., hereinafter referred to as "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefore;

NOW. Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set

acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to said invention, including all patent applications therefor that may have been filed or may be filed hereafter for said invention, including but not limited to the application(s) identified above and in and to any application claiming benefit thereto and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefore including our rights under the International Convention for the Protection of Industrial Property, which include the right to claim priority based on the filing date of said application(s), and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may have granted or may be granted hereafter, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made; together with all claims for damages by reason of past infringement or for provisional rights that have or may have accrued prior to the date of assignment to said Assignee, or may accrue hereafter, and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

AND, for the consideration aforesaid, we materially represent to Assignee, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to communicate to Assignee, its successors and assigns, or their representative or agents, all facts and information known or available to us respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by Assignee; and to testify in person or by affidavit as required by Assignee, its successors and assigns, in any such proceeding in the United States or a country foreign thereto;

Assignment

Page 1 of 2

Wells Fargo Bank, N.A., 420 Montgomery Street, San Francisco, California 94104, U.S.A.

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Assignee, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Assignee, its successors or assigns, but at Assignee's expense.

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I/we have signed my/our name(s) on the day and year set forth below.

Given Name (first and middle initial [if any]): Traci	Family Name or Surname (last name): Nguyen		
Inventor's Signature:	Date:	2	
8			
Given Name (first and middle initial [if any]): Family Na Lila Fakhraie		Surname (last name):	
Inventor's Signature:		Date:	
Given Name (first and middle initial [if any]): Family No. Anthony Burton		Name or Surname (last name):	
Inventor's Signature:			
Given Name (first and middle initial [if any]): Family Na Alyce F. Thornton		Surname (last name):	
Inventor's Signature: Algre 7 Moenton		3-21-18	
V			
Given Name (first and middle initial [if any]): Ravi	Family Name or S Thota	Surname (last name):	
Inventor's Signature:	Date:		

Assignment

Page 2 of 2

Wells Fargo Bank, N.A., 420 Montgomery Street, San Francisco, California 94104, U.S.A.

Docket No.: 1234-006US01

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Whereas, Wells Fargo Bank, N.A., a national banking association having a principal place of business at 420 Montgomery Street, San Francisco, California 94104, U.S.A., hereinafter referred to as "Assignee," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefore;

NOW, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to said invention, including all patent applications therefor that may have been filed or may be filed hereafter for said invention, including but not limited to the application(s) identified above and in and to any application claiming benefit thereto and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefore including our rights under the International Convention for the Protection of Industrial Property, which include the right to claim priority based on the filing date of said application(s), and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may have granted or may be granted hereafter, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by me if this assignment had not been made; together with all claims for damages by reason of past infringement or for provisional rights that have or may have accrued prior to the date of assignment to said Assignee, or may accrue hereafter, and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives;

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Wells Fargo Bank, N.A., 420 Montgomery Street, San Francisco, California 94104, U.S.A.

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Given Name (first and middle initial [if any]): Traci	Family Name or Surname (last name): Nguyen		
Inventor's Signature:		Date:	
Given Name (first and middle initial [if any]): Family Na Lila Fakhraie		nme or Surname (last name):	
Inventor's Signature:		Date:	
-	***************************************		
Given Name (first and middle initial [if any]): Family No Anthony Burton		łame or Surname (last name):	
Inventor's Signature:		Date:	
Given Name (first and middle initial [if any]):	Family No	nme or Surname (last name):	
Alyce F.	Thornton	· · · · · · · · · · · · · · · · · · ·	
Inventor's Signature:		Date:	
Given Name (first and middle initial [if any]): Family No. Thota		ame or Surname (last name):	
Inventor's Signature:		Date: 2/20/2018	

Assignment

RECORDED: 03/23/2018

Page 2 of 2