504265400 03/09/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4312080

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WAYNE BARAKAT	02/08/2017
SOTIRIOS K. BARKAS	12/15/2016
MICHAEL CHANG	01/27/2017
LAURA MARIE FONTANA	01/27/2017
JULIO JIRON	12/15/2016
BETH S. MOSS	12/16/2016
TRACI NGUYEN	03/09/2017
PAUL VITTIMBERGA	01/27/2017

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:	15373823

CORRESPONDENCE DATA

Fax Number: (612)332-9081

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: 612.332.5300

Email: tpowless@merchantgould.com

Correspondent Name: ROBERT A. KALINSKY

Address Line 1: 80 SOUTH EIGHTH STREET

Address Line 2: 3200 IDS CENTER

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-2215

ATTORNEY DOCKET NUMBER:	15896.0154US01
NAME OF SUBMITTER:	THERESA N. POWLESS
SIGNATURE:	/Theresa N. Powless/

504265400 PATENT REEL: 041531 FRAME: 0509

DATE SIGNED:	03/09/2017
Total Attachments: 9	
source=2017-03-09Exec-Assignment	-15896-0154US01#page1.tif
source=2017-03-09Exec-Assignment	-15896-0154US01#page2.tif
source=2017-03-09Exec-Assignment	-15896-0154US01#page3.tif
source=2017-03-09Exec-Assignment	-15896-0154US01#page4.tif
source=2017-03-09Exec-Assignment	-15896-0154US01#page5.tif
source=2017-03-09Exec-Assignment	-15896-0154US01#page6.tif
source=2017-03-09Exec-Assignment	-15896-0154US01#page7.tif
source=2017-03-09Exec-Assignment	-15896-0154US01#page8.tif
source=2017-03-09Exec-Assignment-	-15896-0154US01#page9.tif

PATENT REEL: 041531 FRAME: 0510

ASSIGNMENT

WHEREAS, we, Wayne Barakat, Sotirios K. Barkas, Michael Chang, Laura Marie Fontana, Julio Jiron, Beth S. Moss, Traci Nguyen and Paul Vittimberga, made certain new and useful inventions and improvements for which we filed an application with the United States Patent and Trademark Office on December 9, 2016, application Serial No. 15/373,823 which is entitled "Defined Zone of Authentication."

AND WHEREAS, Wells Fargo Bank, N.A., an entity having an office and place of business at 420 Montgomery Street, San Francisco, CA 94104 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and the right(s) to claim priority thereto, and in and to the application, all patent applications based upon said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts

PATENT REEL: 041531 FRAME: 0511

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHERE	OF, I have hereunto set my hand this	_day of
, 20		
•	1/10/10	
	Wayna Danakat Inventor	
	Wayne Barakat, Inventor	
IN TESTIMONY WHERE	OF, I have hereunto set my hand this	_day of
, 20		
		,
	Sotirios K. Barkas, Inventor	
IN TESTIMONY WHERE	OF, I have hereunto set my hand this	_day of
, 20		
•		
	Michael Chang, Inventor	
IN TESTIMONY WHERE	OF, I have hereunto set my hand this	_day of
, 20		
	Laura Marie Fontana, Inventor	

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20
Wayne Barakat, Inventor
IN TESTIMONY WHEREOF, I have hereunto set my hand this 15th day of December, 2016.
C_{1} 10_{1}
Sotirios K. Barkas, Inventor
Source R. Daikas, niveran
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20
Michael Chang, Inventor
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of
, 20
Laura Marie Fontana, Inventor

2

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREC	OF, I have hereunto set my hand this day of
, 20	
	Wayne Barakat, Inventor
	OF, I have hereunto set my hand this day of
	Sotirios K. Barkas, Inventor
IN TESTIMONY WHEREC	OF, I have hereunto set my hand this <u>27</u> day of
, 20 <u>17</u> .	
	Michael Chang
	Michael Chang, Inventor
IN TESTIMONY WHEREC	OF, I have hereunto set my hand this day of
, 20	
	Laura Marie Fontana, Inventor

assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and

AND, furthermore we covenant and agree with said Assignee, its successors and

property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us. IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of , 20____. Wayne Barakat, Inventor IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of , 20___. Sotirios K. Barkas, Inventor IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of Michael Chang, Inventor IN TESTIMONY WHEREOF, I have hereunto set my hand this 27 day of

2

Laura Marie Fontana, Inventor

U.S. Patent Application Serial No.	Attorney Docket No. 13890.01340301
IN TESTIMONY WHER December, 2016.	EOF, I have hereunto set my hand this
IN TESTIMONY WHER, 20	EOF, I have hereunto set my hand this day of
	Doth C. Moss Inventor
	Beth S. Moss, Inventor
IN TESTIMONY WHERI , 20	EOF, I have hereunto set my hand this day of
	Traci Nguyen, Inventor
IN TESTIMONY WHERE, 20	EOF, I have hereunto set my hand this day of

Paul Vittimberga, Inventor

U.S. Patent Application Serial No.	Attorney Docket No. 15896.0154US01
IN TESTIMONY WHERE, 20	COF, I have hereunto set my hand this day of
	Julio Jiron, Inventor
IN TESTIMONY WHERE	OF, I have hereunto set my hand this/b_ day of
•	Rey Shus
	Beth S. Moss, Inventor
, 20	OF, I have hereunto set my hand this day of
	Traci Nguyen, Inventor
IN TESTIMONY WHERE, 20	OF, I have hereunto set my hand this day of

Paul Vittimberga, Inventor

	IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20
	Julio Jiron, Inventor
	IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20
	Beth S. Moss, Inventor
_March	IN TESTIMONY WHEREOF, I have hereunto set my hand this9 day o, 2017
	Hountry
	Traci Nguyen, Inventor
	IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 20
	Paul Vittimberga, Inventor

U.S. Patent Application Serial No.	Attorney Docket No. 15896.0154US01
IN TESTIMONY WHER	REOF, I have hereunto set my hand this day of
	Julio Jiron, Inventor
IN TESTIMONY WHER , 20	REOF, I have hereunto set my hand this day of
	Beth S. Moss, Inventor
IN TESTIMONY WHEF, 20	REOF, I have hereunto set my hand this day of
IN TESTIMONY WHER	Traci Nguyen, Inventor REOF, I have hereunto set my hand this 27 th day of
January , 20/7.	Paul Vittimberga, Inventor