Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (exp. 6/30/2008) U.S. PTO 11/789054 04/23/2007 RECORDA 05-11-2007

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U.S. Department of COMMERCE United States Patent and Trademark Office

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,	To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.				
4.23.	1. Name of conveying party(les): Ronald King-Hang Chu Mark Kogen Warren Tan Simon Ma Yosif Smushkovich Gerry Glindro Jeffrey William Coyte Nicholas Additional name of conveying party(ies) attached? Additional name of conveying party(ies) attached? Security Agreement Merger Security Agreement Merger Government Interest Assignment Executive Order 9424, Confirmatory License Other Other	2. Name and address of receiving party(ies) Name: Citicorp Development Center, Inc. Internal Address: Street Address: 12731 West Jefferson Boulevard City: Los Angeles State: CA Country: USA Zip: 90066 Additional Name(s) & address(es) attached? □ Yes ☒ No			
1/25/20 5 FC:80	4. Application number(s) or patent number(s): A. Patent Application No.(s) 7. HABDELR1 00000014 11789054 21 40.00 @P Additional numbers atta	B. Patent No.(s)			
	5. Name and address of party to whom correspondence concerning this document should be mailed: Name: John M. Harrington Internal Address:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account			
	Street Address: 1001 West Fourth Street City: Winston-Salem State: NC Zip: 27101 Phone Number: (336) 607, 7300	□ Enclosed □ None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers 3002			
	Phone Number: (336) 607-7300 Fax Number: 336-607-7500 Email Address: jharrington@kilpatrickstockton.com	Expiration Date 8/09 b. Deposit Account Number Authorized User Name			
	John M. Harrington Name of Person Signing	April 23, 2007 Date Total number of pages including cover sheet, attachments, and documents			

PATENT

REEL: 019300 FRAME: 0694

ASSIGNMENT

WHEREAS, Ronald King-Hang CHU, Mark KOGEN, Warren TAN, Simon MA, Yosif SMUSHKOVICH, Gerry GLINDRO, and Jeffrey William Coyte NICHOLAS (referred to as "ASSIGNOR") have invented certain new and useful improvements in an invention entitled METHODS AND SYSTEMS FOR SECURE USER AUTHENTICATION,

	for which an application for a United States Patent was filed with the United States Patent and Trademark Office on, Serial Number;
\boxtimes	for which an application for a United States Patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, <u>CITICORP DEVELOPMENT CENTER</u>, INC., a national banking association organized under the laws of the United States of America, doing business at 12731 West Jefferson Boulevard, Los Angeles, CA 90066 (hereinafter referred to as the "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells and transfers to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNOR'S entire right, title and interest in and to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any patent application claiming priority to the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of

Serial No. To Be Assigned

2

Docket No. CITI0309-CIP

any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and signed on the date indicated below:

SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above.

1) Ronald King-Hang CHU

2) Mark KOGEN

Warren TAN

4) Mary CHU

DATE SIGNED

4/16/2807

4/16/2807

4/18/2007

PATENT

REEL: 019300 FRAME: 0696

II No. To Be Assigned 3	Docket No. CIT10309-CIP
Yosif SMUSHKOVICH	4/11/2007
Gerry GLINDRO	4/18/2007
Jeffrey William Coyte NICHOLAS	

T0091/320348 Doc. No. 9846999

ASSIGNMENT

WHEREAS, Ronald King-Hang CHU, Mark KOGEN, Warren TAN, Simon MA,
Yosif SMUSHKOVICH, Gerry GLINDRO, and Jeffrey William Coyte NICHOLAS
(referred to as "ASSIGNOR") have invented certain new and useful improvements in an
invention entitled METHODS AND SYSTEMS FOR SECURE USER
AUTHENTICATION,

	for which an application for a United States Patent was filed with the United States Patent and Trademark Office on, Serial Number;
\boxtimes	for which an application for a United States Patent is being submitted to the United States Patent and Trademark Office herewith; and

WHEREAS, <u>CITICORP DEVELOPMENT CENTER</u>, INC., a national banking association organized under the laws of the United States of America, doing business at 12731 West Jefferson Boulevard, Los Angeles, CA 90066 (hereinafter referred to as the "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells and transfers to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNOR'S entire right, title and interest in and to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any patent application claiming priority to the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of

Serial No. To Be Assigned

2

Docket No. CITI0309-CIP

any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and signed on the date indicated below:

SIGNATURE(S)

The signature(s) must correspond with the name(s) of the inventor(s) above.

INVENTOR(S)	DATE SIGNED		
Ronald King-Hang CHU .			
Mark KOGEN			
Warren TAN			
Simon MA			

Serial No. To Be Assigned	3	Docket No. CITI0309-CIP		
5) Yosif SMUSHKOVICH				
6) Gerry GLINDRO				
7) Jeffrey Willam Coyte NI	<u>CHOLAS</u>	March 28, 2007		

T0091/320348 Doc. No. 9846999

> PATENT REEL: 019300 FRAME: 0700

RECORDED: 04/23/2007