503339998 06/08/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3386618

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ENTITY NAME previously recorded on Reel 028821 Frame 0914. Assignor(s) hereby confirms the ASSIGNMENT.	

CONVEYING PARTY DATA

Name	Execution Date
LAWRENCE T. BELTON	07/27/2012
BRIAN BEATY	07/31/2012
TIMOTHY H. MORRIS	07/27/2012
DOUGLAS S. RODGERS	08/08/2012
LYNN ALLEN SMITH	08/21/2012

RECEIVING PARTY DATA

Name:	WELLS FARGO BANK, N.A.
Street Address:	301 SOUTH COLLEGE STREET
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28288

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13584406

CORRESPONDENCE DATA

Fax Number: (216)586-6758

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: 216-586-6650

Email: patents@keglerbrown.com

Correspondent Name: JAMES J. PINGOR

Address Line 1: 600 SUPERIOR AVENUE

Address Line 2: SUITE 2510

Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER:	106750.40US
NAME OF SUBMITTER:	JAMES J. PINGOR
SIGNATURE:	/James J. Pingor/
DATE SIGNED:	06/08/2015

PATENT REEL: 035851 FRAME: 0446

Total Attachments: 7 source=106750_40US_Corrective_Assign#page1.tif source=106750_40US_Corrective_Assign#page2.tif source=106750_40US_Corrective_Assign#page3.tif source=106750_40US_Corrective_Assign#page4.tif source=106750_40US_Corrective_Assign#page5.tif source=106750_40US_Corrective_Assign#page6.tif source=106750_40US_Corrective_Assign#page7.tif

PATENT REEL: 035851 FRAME: 0447

502032170 08/21/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lawrence T Belton	07/27/2012
Brian Beaty	07/31/2012
Timothy H Morris	07/27/2012
Douglas S Rodgers	08/02/2012
Lynn Allen Smith	08/21/2012

RECEIVING PARTY DATA

Name:	Wells Fargo, N.A.
Street Address:	301 South College Street
City:	Charlotte
State/Country:	NORTH CAROLINA
Postal Code:	28288

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13584406	

CORRESPONDENCE DATA

Fax Number:

2165866758

Phone:

216-586-6650

Email:

patents@keglerbrown.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name:

James Pingor

Address Line 1:

600 Superior Avenue

Address Line 2:

Suite 2510

Address Line 4:

Cleveland, OHIO 44114

ATTORNEY DOCKET NUMBER	R: 106750.40	
NAME OF SUBMITTER:	James J. Pingor	PATENT

502032170

REEL: 028821 FRAME: 0914

PATENT

REEL: 035851 FRAME: 0448

OP \$40.00 13584406

Total Attachments: 5 source=106750_40_Assignment#page1.tif source=106750_40_Assignment#page2.tif source=106750_40_Assignment#page3.tif source=106750_40_Assignment#page4.tif source=106750_40_Assignment#page5.tif

> PATENT REEL: 028821 FRAME: 0915

PATENT REEL: 035851 FRAME: 0449

PATENT ASSIGNMENT

I, Lawrence T. Belton ("ASSIGNOR"), have invented subject matter ("INVENTION") disclosed and/or claimed in a patent application entitled "WIRELESS MULTI-FACTOR AUTHENTICATION WITH CAPTIVE PORTALS" ("APPLICATION"), which:
will be filed without this executed PATENT ASSIGNMENT. ASSIGNORS hereby authorize, and request, ASSIGNEE'S legal representatives, of Kegler, Brown, Hill & Ritter Co., L.P.A., 600 Superior Avenue East, Suite 2510, Cleveland, Ohio 44114, who are associated with customer number 26672, to insert here in parenthesis (U.S. Serial No. , filed) this APPLICATION'S U.S. Serial Number and filing date, when known; 13/584,406 8-13-2012
was filed on and was given U.S. Serial No.
is filed concurrently herewith;
Wells Fargo, N.A., on behalf of itself and its successors and assigns ("ASSIGNEE"), is entitled to, and is desirous of acquiring, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and all other applications and patents derived therefrom, such as continuing applications, in and for the United States, its territories, and all foreign countries ("APPLICATION DERIVATIVES");
For good and valuable consideration, the receipt of which is hereby acknowledged by the ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfers to the ASSIGNEE, the entire and exclusive rights, title and interest in the INVENTION and the APPLICATION (and APPLICATION DERIVATIVES);
ASSIGNOR agrees to execute all instruments and documents required for the making and prosecution of the APPLICATION (and APPLICATION DERIVATIVES), for litigation regarding letters patent derived therefrom, and for the purpose of protecting and perfecting title to the APPLICATION (and APPLICATION DERIVATIVES).
0/07/2012
Date Lawrence T. Belton
ractor . mer as for the first

4811-8796-4175, v. 1

050000 006937164844-1614-8231 v1

PATENT ASSIGNMENT

I, Lawrence T. Belton, Brian Beaty, Timothy H. Morri Allen Smith ("ASSIGNORS"), have invented subject to and/or claimed in a patent application entitled "WIREI AUTHENTICATION WITH CAPTIVE PORTALS" (natter ("INVENTION") disclosed LESS MULTI-FACTOR
will be filed without this executed PATENT ASSI- authorize, and request, ASSIGNEE'S legal representatives, of L.P.A., 600 Superior Avenue East, Suite 2510, Cleveland, Ohi customer number 26672, to insert here in parenthesis (U.S. Se APPLICATION'S U.S. Serial Number and filing date, when keeping the series of	Kegler, Brown, Hill & Ritter Co., io 44114, who are associated with rial No. , filed) this
was filed on and was given U.S. Serial No.	;
is filed concurrently herewith;	
Wells Fargo, N.A., on behalf of itself and its successors entitled to, and is desirous of acquiring, the entire and exclusive INVENTION and the APPLICATION (and all other applications as continuing applications, in and for the United States, it countries ("APPLICATION DERIVATIVES");	ve rights, title and interest in the ons and patents derived therefrom,
For good and valuable consideration, the receipt of wh ASSIGNOR, the ASSIGNOR hereby sells, assigns and transfe and exclusive rights, title and interest in the INVENTION and APPLICATION DERIVATIVES);	ers to the ASSIGNEE, the entire
ASSIGNOR agrees to execute all instruments and docuprosecution of the APPLICATION (and APPLICATION DEF regarding letters patent derived therefrom, and for the purpose to the APPLICATION (and APPLICATION DERIVATIVES)	RIVATIVES), for litigation title of protecting and perfecting title
Date Lawrence T. Belton	
7/31/2017 Brian Beaty	
	į
Date Timothy H. Morris	

000000.006957/84844-1614-8231 v1

PATENT ASSIGNMENT

Allen Smith ("ASSI	on, Brian Beaty, Timothy H. Morris, Douglas S. Rodgers and Lynn GNORS"), have invented subject matter ("INVENTION") disclosed patent application entitled "WIRELESS MULTI-FACTOR N WITH CAPTIVE PORTALS" ("APPLICATION"), which:
authorize, and request, ASS L.P.A., 600 Superior Avenu customer number 26672, to	hout this executed PATENT ASSIGNMENT. ASSIGNORS hereby IGNEE'S legal representatives, of Kegler, Brown, Hill & Ritter Co., the East, Suite 2510, Cleveland, Ohio 44114, who are associated with insert here in parenthesis (U.S. Serial No. , filed) this italian Number and filing date, when known;
was filed on	and was given U.S. Serial No.
is filed concurre	ndy herewith;
entitled to, and is desirous or	on behalf of itself and its successors and assigns ("ASSIGNEE"), is of acquiring, the entire and exclusive rights, title and interest in the LICATION (and all other applications and patents derived therefrom, ions, in and for the United States, its territories, and all foreign IDERIVATIVES");
ACCICAIOD THE ACCICAC	ole consideration, the receipt of which is hereby acknowledged by the DR hereby sells, assigns and transfers to the ASSIGNEE, the entire and interest in the INVENTION and the APPLICATION (and TVES);
prosecution of the APPLIC	to execute all instruments and documents required for the making and ATION (and APPLICATION DERIVATIVES), for litigation yed therefrom, and for the purpose of protecting and perfecting title APPLICATION DERIVATIVES).
Date	Lawrence T. Belton
Date	Brian Beaty
	dich III
Tuly 27, 2012 Date J	Timothy H. Morris

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and I want
las S. Rodgers
Allen Smith

4811-8796-4175, v. 1

Date	Douglas S. Rodgers
8/21/12	TUL.
Date	Lynn Allen Smith

4811-8796-4175, v. 1