504160537 01/03/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES ZARAKAS	03/30/2016
THEODORE MARKSON	03/30/2016
ADAM KOEPPEL	03/30/2016
KEVIN KELLY	04/08/2016
BRIAN BRIGGMAN	04/08/2016
SALEEM SANGI	03/30/2016
DAVID WURMFELD	03/30/2016
TYLER LOCKE	03/30/2016
KARLA ESCALANTE	04/07/2016

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:	15395056

CORRESPONDENCE DATA

Fax Number: (202)778-2201

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: 202 955 1500

Email: patdcdocket@hunton.com

Correspondent Name: HUNTON & WILLIAMS LLP

Address Line 1: 2200 PENNSYLVANIA AVENUE, N.W.

Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER: 67519.001508

NAME OF SUBMITTER: DANIEL G. VIVARELLI, JR

PATENT 504160537 REEL: 040823 FRAME: 0956

SIGNATURE:	/Daniel G. Vivarelli, Jr./		
DATE SIGNED:	01/03/2017		
Total Attachments: 10			
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PATENT REEL: 040823 FRAME: 0957

ATTORNEY DOCKET No.: 67519.001391

ASSIGNMENT AND DECLARATION

WHEREAS, WE, James ZARAKAS, residing at 13817 Laura Ratcliff Court, Centreville, VA 20121; Theodore MARKSON, having an address of 1817 N. Shore Court, Reston, VA 20190; Adam KOEPPEL residing at 1925 Kenyon Street NW, Washington, DC 20010; Kevin P. KELLY, residing at 2800 Bartons Bluff Lane, Apt 2708, Austin, TX 78746; Brian BRIGGMAN, having an address of 1276 N. Wayne Street, #T-29, Arlington, VA 22201; Saleem SANGI, residing at 5751 Goldfinch Court, Ellicott City, MD 21043; David WURMFELD, residing at 901 North Pollard Street, Apt. 1701, Arlington, VA 22203; Tyler LOCKE, residing at 201 I Street NE, #1210, Washington, DC 20002; and Karla ESCALANTE residing at 1201 N. Garfield Street, #810, Arlington, VA 22201; have invented certain new and useful improvements in and to the subject matter of:

A SYSTEM, METHOD, AND APPARATUS FOR A DYNAMIC TRANSACTION CARD

described in an application for United States Letters Patent the specification of v	which:
is attached hereto	
a was filed on: April 14, 2015, December 22, 2015	_
as United States Provisional Application No.: 62/147,568, 62/270,669	
as United States Application No.:	_
or PCT International Application No.:	
and was amended on:	(if applicable)

AND, WHEREAS, CAPITAL ONE SERVICES, LLC., a corporation organized under the laws of the State of Delaware, having a place of business located at 1680 Capital One Drive, McLean, Virginia 22102 (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration, receipt of which is hereby acknowledged, WE do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND WE hereby authorize and request our agents, Hunton & Williams LLP, whose address is 2200 Pennsylvania Avenue, N.W., Washington, DC 20037-1701, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

PATENT REEL: 040823 FRAME: 0958 AND WE hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions, post-grant review, *inter partes* review or derivation proceedings, supplemental examination or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND WE hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND WE do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

IN WITNESS WHEREOF, We have hereunto set our hands and seals.

\boxtimes	The above-identified application was made or authorized to be made by me.		
\boxtimes	I believe I am the original inventor or an original joint inventor of a claimed invention in the application.		
\boxtimes	I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
3/Date	30/2016 James ZARAKAS		
WITN	JESSES:		

\boxtimes	The above-identified application was made or authorized to be made by me.		
	I believe I am the original inventor or an original joint inventor of a claimed invention in th application.		
\boxtimes	I hereby acknowledge that any willful false statement made in this statement is punishable to 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
3/	30/2016	Medord Mh	
Date		Theodore MARKSON	
WITN	ESSES:		
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Hunton & Williams LLP Intellectual Property Department 2200 Pennsylvania Avenue, N.W. Washington, DC 20037 (202) 955-1500 (telephone) (202) 778-2201 (facsimile)

\boxtimes	The above-identified application was made or authorized to be made by me.	
\boxtimes	I believe I am the original inventor or an original joint inventor of a claimed invention in the application.	
	I hereby acknowledge that any willful false statement made in this statement is punishable unde 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
$\frac{\sqrt{3}}{\text{Date}}$	8/2016 Adam KOEPPEL Adam KOEPPEL	
WITN	ESSES:	

Hunton & Williams LLP Intellectual Property Department 2200 Pennsylvania Avenue, N.W. Washington, DC 20037 (202) 955-1500 (telephone) (202) 778-2201 (facsimile)

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04/08/2016

Date

Kevin KELLY

WITNESSES:			

\boxtimes	The above-identified application was made or authorized to be made by me.
	I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

<u> 4 | 7 | 20 |</u> Date

Brian BRIGGMA

WITNESSES:

Hunton & Williams LLP Intellectual Property Department 2266 Pennsylvania Avenue, N.W. Washington, DC 28637 (282) 955-1566 (Telephone) (282) 778-2201 (racsimble)

\boxtimes	The above-identified application was made or authorized to be made by me.		
\boxtimes	I believe I am the original inventor or an original joint inventor of a claimed invention in application.		
\boxtimes	I hereby acknowledge that any willful false statement made in this statement is punishable 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
<u>03</u>	3-30-2016		
Date		Saleem SANGI	
WITI	NESSES:		

Hunton & Williams LLP Intellectual Property Department 2200 Pennsylvania Avenue, N.W. Washington, DC 20037 (202) 955-1500 (Telephone) (202) 778-2201 (Facsimile)

\boxtimes	The above-identified application was made or authorized to be made by me.	
\boxtimes	I believe I am the original invent application.	tor or an original joint inventor of a claimed invention in the
	I hereby acknowledge that any willful false statement made in this statement is punishable unde 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
,	30-MAR-2016	Da
Date		David WURMFELD
WIT	NESSES:	

\boxtimes	The above-identified application was made or authorized to be made by me.	
\boxtimes	I believe I am the original inventor or an original joint inventor of a claimed invention in the application.	
\boxtimes	I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
S Date	7/30/16 Tyler LOCKE	
WITN	ESSES:	

The above-identified application was made or authorized to be made by me. I believe I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. WITNESSES:

IN WITNESS WHEREOF, We have hereunto set our hands and seals.

Hunton & Whliams LLP Intellectual Property Department 2200 Pennsylvania Avenue, N.W. Washington, DC 20037 (202) 955-1500 (Telephone) (202) 778-2201 (Facsimbe)

> PATENT REEL: 040823 FRAME: 0967

RECORDED: 01/03/2017