PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JAY F. POBER	07/14/2014
SCOTT L. ZIMMER	08/15/2013
GAGAN KANJLIA	08/16/2013
VISHAL PURI	08/16/2013
MICHAEL B. KIERNAN	08/19/2013
MATTHEW H. PURDIN	08/19/2013
RABIN BHATTACHARYA	08/16/2013

RECEIVING PARTY DATA

Name:	CAPITAL ONE FINANCIAL CORPORATION	
Street Address:	1680 CAPITAL ONE DRIVE	
City:	MCLEAN	
State/Country:	VIRGINIA	
Postal Code:	22102	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15851677

CORRESPONDENCE DATA

Fax Number:

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.

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Correspondent Name: HARRITY & HARRITY, LLP
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ATTORNEY DOCKET NUMBER:	15851677
NAME OF SUBMITTER:	JACODIE CATO
SIGNATURE:	/Jacodie Cato/
DATE SIGNED:	06/20/2019

505536859 PATENT REEL: 049544 FRAME: 0682

Total Attachments: 5 source=15851677 - filed#page1.tif source=15851677 - filed#page2.tif source=15851677 - filed#page3.tif source=15851677 - filed#page4.tif

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PATENT REEL: 049544 FRAME: 0683

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3344-00

ASSIGNMENT AND DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

ASSIGNMENT:

WHEREAS I, the below named inventor, (hereinafter referred to as Assignor), of a claimed invention in an application for United States Letters Patent entitled:

SYSTEMS AND COMPUTER-IMPLEMENTED PROCESSES FOR ANALYZING AND DETERMINING THE VALUE OF SWITCHING ACCOUNTS
filed on August 19, 2013 as U.S. Application No. 13/969.891 (Confirmation No. 6070); and
WHEREAS, Capital One Financial Corporation a corporation of Delaware
whose post office address is: 1680 Capital One Drive, McLean, VA 22102, United States of America

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, i, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Latters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filled for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

DECLARATION:

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean intellectual Property Office (KIPO), the World Intellectual Property Office (MPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filled access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filled to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above identified patent application with respect to: 1) the above identified patent application as filed; 2) any foreign application to which the above identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 GFR 1.55 has been filed in the above identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorizetion to Permit Access to Application by Participating Offices.

POWER OF ATTORNEY:

I hereby appoint the patent practitioners associated with FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., CUSTOMER NUMBER 22,852 to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

County of		3° 3°	98.	Name: Address: By:	Jay F. Pober 506 Country Chris Drive Charry His, NJ 06003
	and sworn to before me this, Not	day o	of	Date: , 20	_

Page 2 of 2

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3344-00

ASSIGNMENT AND DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

WHEREAS I/We, the below named inventor(s), (hereinafter referred to as Assignor(s)), of a claimed invention in an application for United States Letters Patent entitled:

SYSTEMS AND COMPUTER-IMPLEMENTED PROCESSES FOR ANALYZING AND DETERMINING THE VALUE OF SWITCHING ACCOUNTS
filed herewith;
WHEREAS, Capital One Financial Corporation a corporation of Delaware
whose post office address is1680 Capital One Drive, McLean, VA 22102, United States of America
(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, provisional Application No. 61/691,146, filed August 20, 2012, and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority in any foreign country on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application in any foreign country, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Director of the United States Patent and Trademark Office and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We nave not executed and will not execute any agreement in conflict with this Assignment;
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.
AND, I/WE HEREBY authorize and request that the attorneys having Power of Attorney in this application, insert here in parentheses (Application No, filed) the filing date and application number of said application when known.

As a named inventor below, I hereby declare that: (1) This declaration is directed to the above-identified application; (2) the above-identified application was made or authorized to be made by me; (3) my residence and mailing address are as stated below next to my name; and (4) I believe I am an original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment of not more than five (5) years, or both, under section 1001 of Title 18 of the United States Code.

As a below named inventor, I have reviewed and understand the contents of the application, including the claims, and am aware of the duty to disclose to the US PTO all information known to me to be material to patentability as defined in 37C.F.R. § 1.56.

Authorization To Permit Access To Application by Participating Offices:

☑ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the Applicant does not wish the EPO, JPO, KIPO, WIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the above identified patent application.

In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified patent application claims priority under 35 U.S.C. 119(a)-(d) if a copy of the foreign application that satisfies the certified copy requirement of 37 CFR 1.55 has been filed in the above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

I hereby appoint the patent practitioners associated with **FINNEGAN**, **HENDERSON**, **FARABOW**, **GARRETT & DUNNER**, **L.L.P.**, **CUSTOMER NUMBER 22,852** to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

County of	}	SS.	Name: Address:	Scott L. Zimmer 2232 Beaucatcher Lane
State of	<u> </u>		By: Date:	Charlotte, NC 28270
Subscribed a	and sworn to before me this day , Notary Public	of	, 20	
	-			
County of	}		Name:	Gagan Kanjiia
	Ž.	SS.	Address:	43013 Addlestone Place Ashbum, VA 20148
State of	<u> </u>		By: Date:	8/16/2013 49-1
Subscribed a	and sworn to before me this day . Notary Public	of	, 20	_

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. 05793.3344-00

County of	Na	me: Vishal Puri
3	s. Ad	dress: 42786 Macauley Place
i de la companya de		Ashburn, VA 20148
State of	By:	
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Subscribed and sworn to before me this day of		., 2U
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, Notary Public		· ——
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County of	Na	me: Matthew H. Purdin
) s	s. Ad	dress: 900 N. Randolph St. Apt #802
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Subscribed and sworn to before me this day of	F	20
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County of	Na	me: Rabin Bhattacharya
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State of	Ву	
	Da	te: <u>OR/16/10/3</u>
Subscribed and sworn to before me this day or	f <u></u>	., 20
, Notary Public		••

PATENT REEL: 049544 FRAME: 0688