PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT					
NATURE OF CONVEYANCE:	ASSIGNMENT					

CONVEYING PARTY DATA

Name	Execution Date
Craig Etheredge	01/04/2010
Jason E. Fore	01/11/2010
Ralph M. Evans	01/05/2010

RECEIVING PARTY DATA

Name:	BANK OF AMERICA CORPORATION
Street Address:	101 South Tryon Street
City:	Charlotte
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12696641

CORRESPONDENCE DATA

Fax Number: (704)339-5800

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7043311000

Email: sarahcarranceja@mvalaw.com

Correspondent Name: MOORE & VAN ALLEN PLLC FOR BOFA

Address Line 1: 430 Davis Drive, Suite 500 Address Line 2: Post Office Box 13706

Address Line 4: Research Triangle Pa, NORTH CAROLINA 27709

ATTORNEY DOCKET NUMBER:	3568US1.014033.666
NAME OF SUBMITTER:	Patrick B. Horne

Total Attachments: 3

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PATENT REEL: 024881 FRAME: 0252 JP \$40.00 126966

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PATENT REEL: 024881 FRAME: 0253

ASSIGNMENT

WHEREAS, I, CRAIG ETHEREDGE ("Assignor"), a citizen of the United States of America, residing in Ponte Vedr
Beach, Florida, have invented certain new and useful inventions entitled "PRE-APPROVED CUSTOMER ACCEPTANCE
VALIDATION". If the following lines are blank, the above application was filed on even date herewith, otherwise, to comply
with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby authorize the attorneys for Bank of America to
insert the filing date and application number below after they become known and prior to filing the recordation. U.S. Application
No.12/696,641 filed January 29, 2010

WHEREAS, BANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all divisions, reissues, continuations and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue and continuation applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

day of

2016

RAIG ETHEREDGE, Assignor

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PATENT REEL: 024881 FRAME: 0254

ASSIGNMENT

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	WHEREAS, Vank, PL	L JASC	ON E.	FORE	("Assigno	r"), a	citizen	of	DUITED	STATES	<u>ce 1-1184</u>	Aresiding	in
Daws	Park, PL	hav	ve inven	ted certa	in new a	nd user	iul inver	itions	entitled	"PRE-AP	PROVED	CUSTON	ÆR.
ACCEP'	ΓANCE/ VAL	MOITACE.	", If the	: followi	ng lines ar	e blank	, the abo	ove ap	рисапоп	was nied	on even	date belev	viu,
otherwis	e, to comply v	vith 37 C.F	.R. §3.21	for reco	rdal of this	assignn	ient, I, an	ı assigi	nor below	, hereby a	uthorize th	e attorneys	i for
Bank of	America to	insert the	filing da	ite and a	pplication	number	below a	ifter th	ey becom	me koowo	and prior	to filing	the
recordati	ion. U.S. App	lication No	12/69	6.641	filed	Jar	uary 2	9 , 2	010		·		

WHEREAS, BANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all divisions, reissues, continuations and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue and continuation applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this

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3568US1.014033.666

ASON E. FORE, Assignor

ASSIGNMENT

WHEREAS, I, RALPH M. EVANS ("Assignor"), a citizen of the United States of America, residing in Addison, Texas, have invented certain new and useful inventions entitled "PRE-APPROVED CUSTOMER ACCEPTANCE VALIDATION". If the following lines are blank, the above application was filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby authorize the attorneys for Bank of America to insert the filing date and application number below after they become known and prior to filing the recordation. U.S. Application No. 12/696,641 filed January 29, 2010
WHEREAS, BANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of Delaware, and having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto:
NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all divisions, reissues, continuations and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue and continuation applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and en
Rhs
RALPH M. EVANS, Assignor

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