06/17/2015 503353765

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3400386

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY DE WAYNE DOUBLEDAY	06/15/2015
ALBERTO RAMOS	06/08/2015
DARRYL ALAN SANSBURY	06/15/2015
MICHAEL WERNER EAGEN SPALDING	06/08/2015
STEVEN YOUNGER	06/09/2015

RECEIVING PARTY DATA

Name:	BANK OF AMERICA CORPORATION
Street Address:	214 NORTH TRYON STREET
Internal Address:	MAILCODE: NC1-027-20-05
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14741711

CORRESPONDENCE DATA

Fax Number: (214)661-4559

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: 2149536500

PTOmail1@bakerbotts.com Email:

BAKER BOTTS L.L.P. **Correspondent Name:** 2001 ROSS AVENUE Address Line 1:

Address Line 2: SUITE 600

Address Line 4: DALLAS, UNITED STATES 75201-2980

ATTORNEY DOCKET NUMBER:	015444.1023
NAME OF SUBMITTER:	ESMARIE A. GARLAND
SIGNATURE:	/Esmarie A. Garland/
DATE SIGNED:	06/17/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

PAIENI

REEL: 035934 FRAME: 0607

Total Attachments: 10 source=0154441023Assignment#page1.tif source=0154441023Assignment#page2.tif source=0154441023Assignment#page3.tif source=0154441023Assignment#page4.tif source=0154441023Assignment#page5.tif source=0154441023Assignment#page6.tif source=0154441023Assignment#page7.tif source=0154441023Assignment#page8.tif source=0154441023Assignment#page8.tif source=0154441023Assignment#page9.tif source=0154441023Assignment#page10.tif

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Detecting and Analyzing Operational Risk in a Network Environment
myention	
As the below	named inventor, I hereby declare that:
This declarati	
	United States application or PCT international application number
The above-id	entified application was made or authorized to be made by me.
I believe that	I am the original inventor or an original Joint inventor of a claimed invention in the application.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or t of not more than five (5) years, or both.
	ASSIGNMENT
Florida (City, filed on even hereby autho	Jeffrey De Wayne Doubleday ("Assignor"), a citizen of U.S.A. (Country), residing in Green Cove Springs, State/Province) have invented the above invention. If the following lines are blank, the above application was date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, rize the attorneys for Bank of America to insert the filing date and application number below after they become rior to filing the recordation.
	U.S. Application No. <u>14/741,711</u> , filed <u>17 June 201</u> 5
Delaware, an title and inte	ANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of d having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, rest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the of America, and in any and all countries foreign thereto:
payment for said Assigno representative countries for countries in it under internal Patent grante and extension information, Commissione	FORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I r, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal res, the full and exclusive right, title and interest for the territory of the United States of America and all eign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign ts own name and to claim any priority rights for such foreign applications to which such applications are entitled ational conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters et therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts in thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the profit of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or refrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest.

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, reexamination, continuation and continuation-in-part 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.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider reducting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Jeffrey De Wayne Doubleday

Date: 6-15-2015

Signature

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Detecting and Analyzing Operational Risk in a Network Environment

[Page 1 of 2]

nominees, to obtain and enforce proper patent protection for said inventions in all countries.

any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, continuation and continuation-in-part 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

Title of

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Alberto Ramos

Date: 6/8/2015Signature: MATOm

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Detecting and Analyzing Operational Risk in a Network Environment
As the below	named inventor, I hereby declare that:
This declarati	\ The attached application, of
	United States application or PCT international application number
The above-ide	entified application was made or authorized to be made by me.
I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or t of not more than five (5) years, or both.
	ASSIGNMENT
State/Provinc date herewith authorize the	Darryl Alan Sansbury ("Assignor"), a citizen of U.S.A. (Country), residing in Charlotte, North Carolina (City, e) have invented the above invention. If the following lines are blank, the above application was filed on even n, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby attorneys for Bank of America to insert the filing date and application number below after they become known ling the recordation.
	U.S. Application No. <u>14/741,711</u> , filed <u>17 June 2015</u> .
Delaware, and title and inter	ANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of d having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, test in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the of America, and in any and all countries foreign thereto:
payment for t said Assignor representative countries for e countries in it under internal Patent grante and extension information, a Commissioner resulting ther	FORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, It, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal es, the full and exclusive right, title and interest for the territory of the United States of America and all eigh thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign sown name and to claim any priority rights for such foreign applications to which such applications are entitled tional conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters d therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts as thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or refrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. It warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without

[Page 1 of 2]

nominees, to obtain and enforce proper patent protection for said inventions in all countries.

further consideration, but at the expense of Assignee, communicate to sald 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, reexamination, continuation and continuation-in-part 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

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an Issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Darryl Alan Sansbury

Date: June 15, 2015

Signature

[Page 2 of 2]

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Detecting and Analyzing Operational Risk in a Network Environment
As the below	named inventor, I hereby declare that:
This declaration	1 / The attached application of
	United States application or PCT international application number
The above-ide	entified application was made or authorized to be made by me.
I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or tof not more than five (5) years, or both.
	ASSIGNMENT
Carolina (City, filed on even hereby autho	Michael Werner Eagen Spalding ("Assignor"), a citizen of U.S.A. (Country), residing in Denver, North State/Province) have invented the above invention. If the following lines are blank, the above application was date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, rize the attorneys for Bank of America to insert the filing date and application number below after they become ior to filing the recordation.
	U.S. Application No. $14/741,711$, filed 17 June 2015 .
Delaware, and title and inter	ANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of d having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, test in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the of America, and in any and all countries foreign thereto:
payment for said Assignor representative countries for countries in it under internal Patent grants and extension information, Commissione resulting their represent and further considering and all fadivisional, reistander considering considering and considering	FORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I represents do sell, assign and transfer unto said Assignee, its successors, assigns and legal est, the full and exclusive right, title and interest for the territory of the United States of America and all eign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign is own name and to claim any priority rights for such foreign applications to which such applications are entitled at therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts as thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the rof Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or refrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I dwarrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without deration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, acts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and

[Page 1 of 2]

nominees, to obtain and enforce proper patent protection for said inventions in all countries.

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

Date: 6/8/2015

LEGAL NAME OF INVENTOR

Inventor: Michael Werner Eagen Spalding

Signature:

[Page 2 of 2]

COMBINED DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	Detecting and Analyzing Operational Risk in a Network Environment
As the below	named inventor, I hereby declare that:
This declarati	1 V L Life diterried application, or
	United States application or PCT international application number
The above-ide	entified application was made or authorized to be made by me.
I believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or tof not more than five (5) years, or both.
	ASSIGNMENT
State/Provinc date herewith authorize the	Steven Younger ("Assignor"), a citizen of U.S.A. (Country), residing in Basking Ridge, New Jersey (City, e) have invented the above invention. If the following lines are blank, the above application was filed on even h, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor below, hereby attorneys for Bank of America to insert the filing date and application number below after they become known ling the recordation.
	U.S. Application No. 14/741,711, filed 17 June 2015
Delaware, and title and inter	ANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of dhaving its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right, test in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the of America, and in any and all countries foreign thereto:
payment for t said Assignor representative countries fore countries in it under interna Patent grante and extension	FORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I is, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal es, the full and exclusive right, title and interest for the territory of the United States of America and all eigh thereto, and throughout the world and in space, (including the right to apply for Letters Patent In foreign sown name and to claim any priority rights for such foreign applications to which such applications are entitled ational conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters at thereof, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts as thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the

[Page 1 of 2]

nominees, to obtain and enforce proper patent protection for said inventions in all countries.

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, reexamination, continuation and continuation-in-part 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

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Steven Younger

Date: 692015

Signature

[Page 2 of 2]

Active 19400909

RECORDED: 06/17/2015