505695737 09/27/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5742547

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JISOO LEE	12/04/2017
JOHN C. CHECCO	12/04/2017
WILLIAM AUGUST STAHLHUT	12/05/2017
JOSEPH CASTINADO	11/30/2017
BRAD ROMANO	11/30/2017
SUKI RAMASAMY	12/01/2017
PATRICK NICHOLAS LAWRENCE	12/03/2017
LEKHA ANANTHAKRISHNAN	11/30/2017

RECEIVING PARTY DATA

Name:	BANK OF AMERICA CORPORATION
Street Address:	MAIL CODE NC 1-027-20-05
Internal Address:	214 N. TRYON ST.
City:	CHARLOTTE
State/Country:	NORTH CAROLINA
Postal Code:	28255

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16585449

CORRESPONDENCE DATA

Fax Number: (312)463-5001

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: (312) 463-5000

Email: bwptopat@bannerwitcoff.com, tlindquist@bannerwitcoff.com

BANNER & WITCOFF, LTD. **Correspondent Name:** Address Line 1: 71 SOUTH WACKER DRIVE

Address Line 2: **SUITE 3600**

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	007131.02179
NAME OF SUBMITTER:	PETER D. NIGRELLI

PAIENI REEL: 050516 FRAME: 0701 505695737

SIGNATURE:	/Peter D. Nigrelli/			
DATE SIGNED:	09/27/2019			
This document serves as an Oath/Declaration (37 CFR 1.63).				
Total Attachments: 16	•			
source=Combined Declaration	on and Assignment#page1.tif			
source=Combined Declaration	on and Assignment#page2 tif			

source=Combined Declaration and Assignment#page1.tif source=Combined Declaration and Assignment#page2.tif source=Combined Declaration and Assignment#page3.tif source=Combined Declaration and Assignment#page4.tif source=Combined Declaration and Assignment#page5.tif source=Combined Declaration and Assignment#page6.tif source=Combined Declaration and Assignment#page7.tif source=Combined Declaration and Assignment#page8.tif source=Combined Declaration and Assignment#page9.tif source=Combined Declaration and Assignment#page10.tif source=Combined Declaration and Assignment#page11.tif source=Combined Declaration and Assignment#page12.tif source=Combined Declaration and Assignment#page13.tif source=Combined Declaration and Assignment#page14.tif source=Combined Declaration and Assignment#page15.tif source=Combined Declaration and Assignment#page15.tif source=Combined Declaration and Assignment#page15.tif source=Combined Declaration and Assignment#page15.tif

PATENT REEL: 050516 FRAME: 0702

PMN: 8128US1

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA				
As the below	v named inventor, I hereby declare that:	SOCIAL			
This declarati	A The attached application, or				
	United States application or PCT international application number				
The above-ide	dentified application was made or authorized to be made by me.				
I believe that	it I am the original inventor or an original joint inventor of a claimed invention in the application.				
	mowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine on the fine of not more than five (5) years, or both.	or			
KANANAKA POPO POPO POPO POPO POPO POPO POPO P	ASSIGNMENT				
New York (was filed on e below, hereb	("Assignor"), a citizen of the United States (Country), residing in Cortlandt Manor, (City, State/Province) have invented the above invention. If the following lines are blank, the above application even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor by authorize the attorneys for Bank of America to insert the filing date and application number below after the own and prior to filing the recordation.	on			
	U.S. Application No, filed				
Delaware, and title and inter	BANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of nd having its offices and place of business at Charlotte, North Carolina, is desirous of acquiring the entire right erest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in th es of America, and in any and all countries foreign thereto:				
payment for the said Assignor, representative countries for countries in it entitled under Letters Patentin-parts and econfidential in request the Conventions or interest. I repwithout furth nominees, and provisional, deproceedings,	EFORE, 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 or, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal lives, the full and exclusive right, title and interest for the territory of the United States of America and all reign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign its own name and to claim any priority rights for such foreign applications to which such applications are ler international conventions, treaties, or otherwise), in and to said inventions and in and to all applications are not granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and appresent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will therefore the consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal is, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its assigns, and noningers, to obtain and enforce proper patent protection for said inventions in all countries.	n nd n-			

WARNING:

purposes are not retained in the application file and therefore are not publicly available.				
LEGAL NAME OF INVENTOR				
Inventor: JISOO LEE	Date: 12/4/2017			
Signature: Jisoo Lee		-		

PMN: 8128US1

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA
As the below	named inventor, I hereby declare that:
This declaration is directed to:	The attached 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	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 of not more than five (5) years, or both.
	ASSIGNMENT
New York (was filed on e below, hereby	John C. Checco ("Assignor"), a citizen of the United States (Country), residing in Stony Point, City, State/Province) have invented the above invention. If the following lines are blank, the above application ven date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor vauthorize the attorneys for Bank of America to insert the filing date and application number below after they and prior to filing the recordation.
	U.S. Application No, filed
Delaware, and title and inter	NK 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, est 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 entitled unde Letters Patent in-parts and e confidential in request the C inventions or interest. I rep without furth nominees, an provisional, d proceedings.	FORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or he making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I 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 eign 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 rinternational conventions, treaties, or otherwise), in and to said inventions and in and to all applications and granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, stensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and domainsioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and resent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will er consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or y and all facts known to me regarding said inventions whenever requested, and that I will execute all non-ivisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its users.

WARNING:

LEGAL NAME OF INVENTOR	re are not publi	LIY AVAITOLIC.	ROUDOULUUDUULUTAIDAGAGAGAGAGAGAGAA
Inventor: JOHN C. CHECCO	Date:	2017-12-04	
Signature: John C. Checco			

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA		
As the below	named inventor, I hereby declare that:		
This declarati	A the accence 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		
WHEREAS, I, William August Stahlhut ("Assignor"), a citizen of the United States (Country), residing in The Colony, Texas (City, State/Province) have invented the above invention. 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, filed		
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 s 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 non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-in-parts 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, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do			

WARNING:

purposes are not retained in the application file and therefore are not publicly available.			
LEGAL NAME OF INVENTOR			
Inventor: WILLIAM AUGUST STAHLHUT	_ Date: _	12/05/2017	
Signature: / Williams			
•			

PMN: 8128US1

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA	
As the below	named inventor, I hereby declare that:	
This declarati	ye since determined all productions of the	
	United States application or PCT international application number filed on	
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.	
I hereby ackr imprisonmer	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.	
WARRANG AND THE STATE OF THE ST	ASSIGNMENT	
Northglenn above applic assignment,	Ioseph Castinado ("Assignor"), a citizen of the United States (Country), residing in Colorado (City, State/Province) have invented the above invention. If the following lines are blank, the ation was filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this, an assignor below, hereby authorize the attorneys for Bank of America to insert the filing date and application w after they become known and prior to filing the recordation.	
	U.S. Application No filed	
Delaware, ar title and inte	ANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of ad 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 s 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 non-provisionals, divisionals, reissues, reexaminations, continuations, 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, 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 sai		

PMN: 8128US1

WARNING:

purposes are not retained in the application file and therefore a	re not publicl	y available.
LEGAL NAME OF INVENTOR		
Inventor: JOSEPH CASTINADO	Date:	11/30/2017
Signature: 1 Jan. B. Castanda		

PMN: 8128US1

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA		
As the below	named inventor, I hereby declare that:		
This declarati	V The attached application, or		
	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		
WHEREAS, I, <u>Brad Romano</u> ("Assignor"), a citizen of <u>the United States</u> (Country), residing in <u>Furlong</u> , <u>Pennsylvania</u> (City, State/Province) have invented the above invention. 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, filed		
Delaware, an 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, rest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the sof 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 non-provisionals, divisionals, reissues, reexaminations, continuations, continuations, 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, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and gener			

WARNING:

purposes are not retained in the application file and therefore a	re not public	ily available.	
LEGAL NAME OF INVENTOR			
Inventor: BRAD ROMANO	Date:	11/30/17	
Signature: 1 Brod Romano		CHARLES AND	1

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	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA	
As the below	named inventor, I hereby deciare that:	
This declarati	M 1105 attraction additional as	
	United States application or PCT international application number	
The above-id	entified application was made or suthorized to be made by ma.	
believe that	I am the original inventor or an original joint inventor of a claimed invention in the application.	
i hereby ackr imprisonmer	rowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or It of not more than five (S) years, or both.	
·	ASSIGNMENT	
WHEREAS, I. <u>Suki Ramasamy</u> ("Assignor"), a citizen of <u>India</u> (Country), residing in <u>Chennel, India</u> (City, State/Province) have invented the above invention. 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 recorded of this assignment, i, an assignor below, hereby authorize the attorneys for tlank of America to meet the filing date and application number below after they become known and prior to filing the recordation.		
	U.S. Application No filed	
Delaware, ar	ANK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of the State of id 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 s of America, and in any and all countries foreign therefor	
SIOW, THEREPORE, TO WHOM IT MAY CONCEIN, 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 Assigner, 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 non-provisionals, divisionals, reissues, reexaminations, continuations, continuations, particularly granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, confidential information, and compliations, necessary or useful to make, use, or self 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, tits and interest. I represent and warrant that I have full right to agree the 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 everythi		

[Page 1 of 2]

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.

purposes are not retained in the appareation me and the	2,22,23,24,24,24,24,24,24,24,24,24,24,24,24,24,
Legal Name of Inventor	
Inventor, SUKI RAMASAMY	Date: <u>01 - 044 - 19</u> -
	,
Signature:	

[Page 2 of 2]

PATENT REEL: 050516 FRAME: 0714

PMN: 8128US1

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA	
As the below	named inventor, I hereby declare that:	
This declarati	A the attached application, or	
	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.	
iococcción de	ASSIGNMENT	
WHEREAS, I, <u>Patrick Nicholas Lawrence</u> ("Assignor"), a citizen of <u>the United States</u> (Country), residing in <u>Plano, Texas</u> (City, State/Province) have invented the above invention. 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, filed	
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, est 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:	
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 non-provisionals, divisionals, reissues, reexaminations, continuations in-parts 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, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything rea		

WARNING:

purposes are not retained in the application file and therefore			,0000000000000000000000000000000000000
LEGAL NAME OF INVENTOR			
Inventor: PATRICK NICHOLAS LAWRENCE	Date:	03 Dec 2017	
Signature:/ Patrick N. Lawrel	<u>нсе</u>		******

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA
As the below	named inventor, I hereby declare that:
This declaration is directed to:	A THE ALLACITED ADDITIONAL 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.
nananaannanaannaannaanna	ASSIGNMENT
<u>Charlotte, N</u> above applica assignment, I,	Lekha Ananthakrishnan ("Assignor"), a citizen of the United States (Country), residing in orth Carolina (City, State/Province) have invented the above invention. If the following lines are blank, the tion was filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this an assignor below, hereby authorize the attorneys for Bank of America to insert the filing date and application v after they become known and prior to filing the recordation.
	U.S. Application No, filed
Delaware, and title and inter	NK 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, est 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 entitled under Letters Patent in-parts and e confidential in request the Co inventions or interest. I represent further nominees, any provisional, di proceedings, s	FORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary or he making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I 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 eign 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 rinternational conventions, treaties, or otherwise), in and to said inventions and in and to all applications and granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-xtensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and dommissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and resent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will execute all ron-visional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its

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purposes are not retained in the application file and therefore are not publicly available.		
LEGAL NAME OF INVENTOR		
Inventor: LEKHA ANANTHAKRISHNAN	Date:11/30/2017	
Signature: / Lekha		