#### 12/07/2017 504675988

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4722710

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:	15834346

### **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, mreed@bannerwitcoff.com

BANNER & WITCOFF, LTD. **Correspondent Name:** Address Line 1: TEN SOUTH WACKER DR.

Address Line 2: **SUITE 3000** 

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	007131.01956
NAME OF SUBMITTER:	BENNETT A. INGVOLDSTAD

PAIENI REEL: 044328 FRAME: 0028 504675988

SIGNATURE:	/Bennett Ingvoldstad/
DATE SIGNED:	12/07/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
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PATENT REEL: 044328 FRAME: 0029

PMN: 8181US1

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.
ocooocooocooocooon	ASSIGNMENT
New York was filed on 6 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 y authorize the attorneys for Bank of America to insert the filing date and application number below after they we and prior to filing the recordation.
	U.S. Application No. <u>15/834,346</u> , filed <u>December 7, 2017</u> .
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 of America, and in any and all countries foreign thereto:
payment for a said Assignor representative countries for countries in its entitled under Letters Paten in-parts and econfidential irrequest the Conventions or interest. I repwithout furth nominees, an provisional, deproceedings,	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 by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal less, the full and exclusive right, title and interest for the territory of the United States of America and all legin thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign to sown name and to claim any priority rights for such foreign applications to which such applications are international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and transted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuations, 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 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 are sent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will serve that I will execute all nonly and all facts known to me regarding said inventions whenever requested, and that I will execute all nonly invisional, 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

### **WARNING:**

an issued patent (see 37 CFR 1.14). Checks and credit card auth purposes are not retained in the application file and therefore a	
LEGAL NAME OF INVENTOR	
Inventor:	Date: 12/4/2017
Signature:/ JiSOO Lee	

PMN: 8181US1

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	M the accounce approaching of		
	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 to fine five (5) years, or both.		
nandekiekvystytuuuuuuuuuuuuuuuuu	ASSIGNMENT		
New York was filed on e below, hereb	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 even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an assignor y authorize the attorneys for Bank of America to insert the filing date and application number below after they we and prior to filing the recordation.		
	U.S. Application No. <u>15/834,346</u> , filed <u>December 7, 2017</u> .		
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 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:**

LEGAL NAME OF INVENTOR	e are not public		
Inventor:	Date:	2017-12-04	
Signature:/ John C. Checco			

PMN: 8181US1

Title of Invention	AUTOMATED EVENT PROCESSING COMPUTING PLATFORM FOR HANDLING AND ENRICHING BLOCKCHAIN DATA			
As the below	As the below named inventor, I hereby declare that:			
This declarati	M The detection approaches, 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.			
I hereby acknown	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.			
rououvoudenadadadadadannaannaa	ASSIGNMENT			
Colony, Texa application w assignor belo	William August Stahlhut ("Assignor"), a citizen of the United States (Country), residing in The State/Province) have invented the above invention. If the following lines are blank, the above was filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I, an w, hereby authorize the attorneys for Bank of America to insert the filing date and application number below come known and prior to filing the recordation.			
	U.S. Application No. 15/834,346 filed December 7, 2017			
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 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 a	re not publici	iy available.	***************************************
LEGAL NAME OF INVENTOR			
Inventor: WILLIAM AUGUST STAHLHUT	Date:	12/05/2017	
Signature: / Gilling			अक्र <b>ा</b> ट की

PMN: 8181US1

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.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
<del>nandy control</del> ucious de la controlución de la cont	ASSIGNMENT		
WHEREAS, I, <u>Joseph Castinado</u> ("Assignor"), a citizen of <u>the United States</u> (Country), residing in <u>Northglenn, Colorado</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. 15/834,346, filed December 7, 2017		
Delaware, an	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:		
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:IOSEPH CASTINADO	Date:11/30/2017		
Signature: 1 Joseph B Castando			

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-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, <u>Brad Romano</u> ("Assignor"), a citizen of <u>the United States</u> (Country), residing in <u>Furiong</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. 15/834,346 , filed December 7, 2017 .	
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 non-provisionals, divisionals, reissues, reexaminations, 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 everything reas		

### **WARNING:**

purposes are not retained in the application file and therefore are not publicly available.		
LEGAL NAME OF INVENTOR		
Inventor: BRAD ROMANO	Date:	11/30/17
Signature: Brad Romano	AA.	

### 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	
woled adt za	named Inventor, I hereby declare that:	
This deciarat is directed to	A the ottomen abbueacout or	
	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 dairned invention in the application.	
I hereby ack: Imprisonmer	rowledge that any willful false statement made in this declaration is publishable under 18 U.S.C. 1901 by fine or is of not more than five (5) years, or both.	
	ASSIGNMENT	
State/Provin date herewit suthorize the	Suki Ramesamy ("Assignor"), a citizen of India (Country), residing in Chennal India (City, ce) have invented the above invention. If the following lines are blank, the above application was filed on even in, otherwise, to comply with 37 C.F.R. §3.21 for recordel of this assignment, i, an assignor below, hereby a atterneys for Back of America to insert the filing date and application number below after they become when to filing the recordation.	
	U.S. Application No. 15/834,346 , Med December 7, 2017	
Delawars, ar fitte 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 Charlette, North Carolina, is desirous of acquiring the entire right, rest in and to the aforessid 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:	
payment for said Assigno representati	TEORE, 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 is, by these presents do self, assign and transfer unto said Assignee, its successors, assigns and legal ves, the full and exclusive right, title and interest for the territory of the United States of America and all relign thereto, and throughout the world and in space, (including the right to apply for Letters Patern in foreign legal to claim any principly rights for such foreign applications to which such applications are	

payment for the making of inventions, or employee benefits, the receipt and sufficiency of which is hereby acknowledged, I said Assigner, by these presents do self, assign and transfer unto said Assignere, 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 nwn name and to claim any priority rights for such foreign applications to which such applications are suitified under international conventions, treatins, 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, parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwlit, trade secrets, confidential information, and compilations, 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 assignse 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 lacts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, reissue, reexamination, confinuation 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 paten

[Page 1 of 2]

PATENT REEL: 044328 FRAME: 0040

#### WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents flied 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 issuand patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2036 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

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LEGAL NAME OF INVENTOR	
Inventor: SURI BAMASAMY	Date: 0 ( - 0 e.c. 1°3
Signature: 7	λ
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[Page 2 of 2]

PATENT REEL: 044328 FRAME: 0041

PMN: 8181US1

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	his declaration X The attached application, or s directed to:			
	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, Patrick Nicholas Lawrence ("Assignor"), a citizen of the United States (Country), residing in Plano, 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. <u>15/834,346</u> , filed <u>December 7, 2017</u> .			
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 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:**

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LEGAL NAME OF INVENTOR				
Inventor: <u>PATRICK NICHOLAS LAWI</u>	RENCE	Date:	03 Dec 2017	
Signature:/	Patrick N. Lawren	ce		

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-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		
WHEREAS, I, <u>Lekha Ananthakrishnan</u> ("Assignor"), a citizen of <u>the United States</u> (Country), residing in <u>Charlotte, North Carolina</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. 15/834,346 , filed December 7, 2017 .		
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:			
payment for t said Assignor, representativ countries for a countries in it entitled under Letters Patent in-parts and a 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 eigh thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign so own 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, continuations, tetensions 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 domainssioner 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 signs, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.		

PMN: 8181US1

#### **WARNING:**

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