PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6022044

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AMITAVA DEB	09/24/2018
SANDIP GOPAL BHATWADEKAR	09/24/2018
CHIH-CHIN YANG	09/28/2018
JOVAN CENEV	10/08/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16823662

CORRESPONDENCE DATA

Fax Number: (214)661-4552

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: 2149536759

Email: ptomail1@bakerbotts.com

Correspondent Name: BAKER BOTTS LLP/BANK OF AMERICA CORPORAT

Address Line 1: 2001 ROSS AVENUE

Address Line 2: SUITE 900

Address Line 4: DALLAS, TEXAS 75201

ATTORNEY DOCKET NUMBER:	015444.1592
NAME OF SUBMITTER:	LATOYA JENKINS
SIGNATURE:	/Latoya Jenkins/
DATE SIGNED:	03/19/2020

Total Attachments: 8

PATENT REEL: 052166 FRAME: 0167

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

110001	A SYSTEM FOR PERFORMING AN INTEGRATED DATA QUALITY CONTROL IN A DATA NETWOR
Invention As the bolowners	d inventor, I hereby declare that:
As the below frame	a inventor, mereby declare that:
This declaration is	
directed to:	☑ The attached application, or
	United States application or PCT international application number
The above-identifie	d application was made or authorized to be made by me.
Ibelieve that Lam t	ne original inventor or an original joint inventor of a claimed invention in the application.
	ge that any willful false statement made in this declaration is punishable under 18 U.S.C. risonment of not more than five (5) years, or both.
and the state of t	ASSIGNMENT
State/Province) h was filed on even an assignor belov	nitava Deb ("Assignor"), a citizen of India (Country), residing in Hong Kong, China (City, ave invented the above invention. If the following lines are blank, the above application date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignment, I v, hereby authorize the attorneys for Bank of America to insert the filing date and er below after they become known and prior to filing the recordation.
U.S. Application N	o. 16/823,662 , filed 03/19/2020
WHEREAS, BAN	OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of
acquiring the entir	are, and having its offices and place of business at Charlotte, North Carolina, is desirous of eright, title and interest in and to the aforesaid inventions and in and to all applications and refor granted in the United States of America, and in any and all countries foreign thereto:
including salary or which is hereby a Assignee, its succ the territory of the	RE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, payment for the making of inventions, or employee benefits, the receipt and sufficiency of cknowledged, I said Assignor, by these presents do sell, assign and transfer unto said essors, assigns and legal representatives, the full and exclusive right, title and interest for United States of America and all countries foreign thereto, and throughout the world and githe right to apply for Letters Patent in foreign countries in its own name and to claim any

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. Thereby 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. Trepresent and warrant that Thave 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

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	LEGAL NAME OF INVENTOR	
Inventor: Amitava Deb		Date: 24-Sep-208
Signature: / Muntura	Dio 1	

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

As the below named inventor, Ihereby declare that: This declaration is directed to:	Title of Invention	A SYSTEM FOR PERFORMING AN INTEGRATED DATA QUALITY CONTROL IN A DATA NETWORK
directed to:	As the below name	ed inventor, lhereby declare that:
The above-identified application was made or authorized to be made by me. Ibelieve that I am the original inventor or an original joint inventor of a claimed invention in the application. Ihereby 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. **ASSIGNMENT** WHEREAS, I, Sandip Gopal Bhatwadekar ("Assignor"), a citizen of India (Country), residing in Hong Kong, China (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. 16/823,662		⊠ The attached application, or
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. ASSIGNMENT WHEREAS, I, Sandip Gopal Bhatwadekar ("Assignor"), a citizen of India (Country), residing in Hong Kong, China (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. 16/823,662		
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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 everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

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LEGAL NAME OF INVENTOR

Inventor: Sandip Gopal Bhatwadekar

Date: 24 Sep 2218

Signature: 133 Rotwadekow

Active 38530944.1

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

Title of	A SYSTEM FOR PERFORMING AN INTEGRATED DATA QUALITY CONTROL IN A DATA NETWORK
Invention	
As the below name	ed inventor, I hereby declare that:
This declaration is	
directed to:	☑ The attached application, or
	☐ United States application or PCT international application number filed on
The above-identifi	ed 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.
	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. prisonment of not more than five (5) years, or both.
	ASSIGNMENT
(City, State/Prov application was assignment, I ar and application	hih-Chin Yang ("Assignor"), a citizen of Taiwan (Country), residing in Hong Kong, China rince) have invented the above invention. If the following lines are blank, the above filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for recordal of this assignor below, hereby authorize the attorneys for Bank of America to insert the filing date number below after they become known and prior to filing the recordation.
U.S. Application	No. $\frac{16/823,662}{}$, filed $\frac{03/19/2020}{}$
the State of Dela	NK OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of ware, and having its offices and place of business at Charlotte, North Carolina, is desirous of ire right, title and interest in and to the aforesaid inventions and in and to all applications and herefor granted in the United States of America, and in any and all countries foreign thereto:
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Active 38531250,1

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 everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.

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LEGAL NAME OF INVENTOR

Inventor: Chih-Chin Yang

Date: 28 Sep 2018

Active 38531250 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	A SYSTEM FOR PERFORMING AN INTEGRATED DATA QUALITY CONTROL IN A DATA NETWORK
As the below nam	ed inventor, I hereby declare that:
This declaration is	
directed to:	⊠ The attached application, or
	United States application or PCT international application number filed on
The above-identif	ied application was made or authorized to be made by me.
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Hong Kong, Ch blank, the above recordal of this insert the filing of recordation.	ovan Cenev ("Assignor"), a citizen of the Republic of Macedonia (Country), residing in hina (City, State/Province) have invented the above invention. If the following lines are application was filed on even date herewith, otherwise, to comply with 37 C.F.R. §3.21 for assignment, I an assignor below, hereby authorize the attorneys for Bank of America to late and application number below after they become known and prior to filing the
U.S. Application	No. 16/823,662, filed 03/19/2020
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LEGAL NAME OF INVENTOR

Inventor: Jovan Cenev

RECORDED: 03/19/2020

Signature:

Date: Of October 2018

Active 38701801 1