03/12/2020 505964009

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6010716

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUKI RAMASAMY	03/09/2020
MAHESH GANESAN	03/09/2020
VIPUL CHAUDHARI	03/11/2020
SRINIVASAN BHASKARAN KASYAP	03/09/2020
DEBENDRA SHARMA	03/10/2020

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:	16816527

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

BAKER BOTTS LLP/BANK OF AMERICA CORPORAT **Correspondent Name:**

2001 ROSS AVENUE Address Line 1:

Address Line 2: SUITE 900

DALLAS, TEXAS 75201 Address Line 4:

ATTORNEY DOCKET NUMBER:	015444.1561
NAME OF SUBMITTER:	LINDA HENRETTA
SIGNATURE:	/linda henretta/
DATE SIGNED:	03/12/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

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REEL: 052095 FRAME: 0966 505964009

tal Attachments: 10
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PATENT REEL: 052095 FRAME: 0967

Firm No.: 015444.1561 (P9456-US)

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

l'itle of Invention	REAL-TIME SERVER CAPACITY OPTIMIZATION TOOL			
As the below name	ed inventor, Thereby declare that:			
This declaration is directed to:	$oxtimes$ The attached application, $oldsymbol{lpha}$	ı		
	United States application o		onal application number	
The above-identifi	ied application was made or authorized	to be made by	me.	
 Ibelieve that I am	the original inventor or an original joint i	inventor of a c	laimed invention in the application.	
Thereby acknowle	edge that any willful false statement mad prisonment of not more than five (5) yea	de in this decla		
	ASSIGN	MENT		
State/Province) filed on even da assignor below, number below a	Suki Ramasamy ("Assignor"), a citizen have invented the above invention. If the ate herewith, otherwise, to comply with 3, hereby authorize the attorneys for Banafter they become known and prior to fili	e following line 37 C.F.R. §3.2 ik of America t ng the recorda	1.1 for recordal of this assignment, I an to insert the filing date and application ation.	1
U.S. Application	No	filed	12 Mar 2020	
WHEREAS, BAN the State of Dela acquiring the ent Letters Patent to NOW, THEREE including salary which is hereby Assignee, its suctorritory of the U space, {including	NK OF AMERICA CORPORATION ("Assignment, and having its offices and place of the right, title and interest in and to the appearance of the United States of A ORE. TO WHOM IT MAY CONCERN, the payment for the making of inventions y acknowledged, I said Assignor, by the cessors, assigns and legal representative United States of America and all countring the right to apply for Letters Patent in for such foreign applications to which eaties, or otherwise), in and to said inventions	ignee"), a Corp f business at Ca aforesaid invent america, and in oe it known that is, or employee hese presents es, the full and ries foreign the in foreign count n such applica	coration duly organized under the laws or Charlotte. North Carolina, is desirous or ations and in and to all applications and any and all countries foreign therefore, for good and valuable consideration benefits, the receipt and sufficiency of do sell, assign and transfer unto said exclusive right, title and interest for the preto, and throughout the world and interest in its own name and to claim any ations are entitled under international	n. d e e in

(P9456-US)

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 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 PT0-2038 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 PT0-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NA	AME OF INVENTOR
Inventor: Sukl Ramasamy	Date: 09-Mar-2020
Signature: 1	

(P9456-US)

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	REAL-TIME SERVER CAPACITY OPTIMIZATION TOOL			
Asthe below name	ed inventor, Thereby declare that:			
This declaration is directed to:	is ☐ The attached application, or			
	United States application or PCT international application number			
The above-identifie	ed application was made or authorized to be made by me.			
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.			
•	ige 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.			
	ASSIGNMENT			
State/Province) h filed on even date assignor below, l	ahesh Ganesan ("Assignor"), a citizen of India (Country), residing in Chennai, India (City, ave invented the above invention. If the following lines are blank, the above application was a herewith, otherwise, to comply with 37 C.F.R. §3,21 for recordal of this assignment. I an hereby authorize the attorneys for Bank of America to insert the filing date and application ter they become known and prior to filing the recordation.			
U.S. Application N	lo. <u>16/816527</u> , filed <u>12 Mar 2020</u>			
the State of Delaw acquiring the entir	K OF AMERICA CORPORATION ("Assignee"), a Corporation duly organized under the laws of vare, and having its offices and place of business at Charlotte, North Carolina, is desirous of e right, title and interest in and to the aforesaid inventions and in and to all applications and erefor granted in the United States of America, and in any and all countries foreign thereto:			
including salary or which is hereby Assignee, its succ territory of the Ur space, {including priority rights for	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 acknowledged. It 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 the inted States of America and all countries foreign thereto, and throughout the world and in the right to apply for Letters Patent in foreign countries in its own name and to claim any such foreign applications to which such applications are entitled under international ites, or otherwise), in and to said inventions and in and to all applications and Letters Patent			

PATENT REEL: 052095 FRAME: 0970

Firm No.: 015444.1561 (P9456-US)

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.

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 PT0-2038 submitted for payment purposes) is never required by the USP1O 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 1.41). Checks and credit card authorization forms PT0-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Mahesh Ganesan Date: 09-MAR-2020

Signature: 1 Makesh Janesan 1

(P9456-US)

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

Title of Invention	REAL-TIME SERVER CAPACITY	Y OPTIMIZATION TOOL	
As the below name	ed inventor, I hereby declare that:		
This declaration is			
directed to:	☑ The attached application, or		
tu.	United States application of filed on	or PCT international application number	
The above-identifie	ed application was made or authorized	d to be made by me.	
I believe that 1 am 1	the original inventor or an original joint	t inventor of a claimed invention in the application.	
	dge that any willful false statement mai prisonment of not more than five (5) ye	ade in this declaration is punishable under 18 U.S.C. ears, or both.	
	ASSIGN	IMENT	
State/Province) h filed on even dat assignor below, l	have invented the above invention. If the herewith, otherwise, to comply with 3	of India (Country), residing in Gurugram. India (City, ne following lines are blank, the above application was 37 C.F.R. §3.21 for recordal of this assignment, I annk of America to insert the filing date and application ling the recordation.	
U.S. Application N	No. 16/816527	, filed12 Mar 2020	
the State of Delaw acquiring the entir	ware, and having its offices and place o re right, title and interest in and to the a	signee"), a Corporation duly organized under the laws of of business at Charlotte, North Carolina, is desirous of aforesaid inventions and in and to all applications and America, and in any and all countries foreign thereto:	
including salary or which is hereby Assignee, its succ territory of the Ur space, {including priority rights for	r payment for the making of inventions acknowledged. I said Assignor, by the cessors, assigns and legal representative nited States of America and all countrible right to apply for Letters Patent in such foreign applications to which	be it known that, for good and valuable consideration, is, or employee benefits, the receipt and sufficiency of these presents do sell, assign and transfer unto said es, the full and exclusive right title and interest for the ries foreign thereto, and throughout the world and in inforeign countries in its own name and to claim any in such applications are entitled under international ions and in and to all applications and Letters Patent	

Firm No.: 015444.1561 (P9456-US)

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 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: <u>Vipul Chaudhari</u>	Date: 11-MAR-2020	
Signature: vipul chaudhari	: 	

(P9456-US)

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	REAL-TIME SERVER CAPACITY OPTIMIZATION TOOL		
As the below named inventor, Thereby declare that:			
This declaration is directed to:	⊠ The attached application, or		
	☐ United States application or PCT international application number		
The above-identified 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.			
Thereby 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, Srinivasan Bhaskaran Kasyap ("Assignor"), a citizen of India (Country), residing in Chennai, India (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 N	o. 16/816527 filed 12 Mar 2020		
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			

Firm No.: 015444.1561 (P9456-US)

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.

WARNING

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LEGAL NAME OF INVENTOR			
Inventor: <u>Srinivasan Bhaskaran Kasyap</u>	Date;09-Mar-2020		
Signature: 1 Mass 1			

(P9456-US)

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	REAL-TIME SERVER CAPACITY OPTIMIZATION TOOL		
As the below named inventor, Thereby declare that:			
This declaration is directed to:	⊠ The attached application, or		
	United States application or PC1 international application number filed on		
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.			
Thereby 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, Debendra Sharma ("Assignor"), a citizen of India (Country), residing in Chennai. India (City, State/Province) have invented the above invention. If the following lines are blank, the above application was filled 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 N	No. 16/816527 12 Mar 2020		
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 inforeign 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			

(P9456-US)

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 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: Debendra Sharma Date: 10-MAR-2020

Signature: 1 Debendra Sharma 1

PATENT REEL: 052095 FRAME: 0977