

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6256749

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the 2ND INVENTOR'S NAME TO READ GAURAV HARISH SRIVASTAVA previously recorded on Reel 053445 Frame 0628. Assignor(s) hereby confirms the ASSIGNORS' INTEREST.
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VENKATRAMAN NAGARAJAN IYER	07/10/2020
GAURAV HARISH SRIVASTAVA	07/10/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BANK OF AMERICA CORPORATION
<b>Street Address:</b>	MAILCODE: NC1-027-20-05
<b>Internal Address:</b>	214 NORTH TRYON STREET
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28255
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16989177
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	2149536759
<b>Email:</b>	ptomail1@bakerbotts.com
<b>Correspondent Name:</b>	BAKER BOTTS LLP/BANK OF AMERICA CORPORAT
<b>Address Line 1:</b>	2001 ROSS AVENUE
<b>Address Line 4:</b>	DALLAS, TEXAS 75201
<b>ATTORNEY DOCKET NUMBER:</b>	015444.1629
<b>NAME OF SUBMITTER:</b>	LATOYA JENKINS
<b>SIGNATURE:</b>	/Latoya Jenkins/
<b>DATE SIGNED:</b>	08/18/2020
<b>Total Attachments: 8</b>	
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source=015444.1629 Corrective Assignment1#page8.tif



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## Electronic Patent Assignment System

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>VENKATRAMAN NAGARAJAN IYER</td><td>07/10/2020</td></tr><tr><td>GUARAV HARISH SRIVASTAVA GURAV HARISH SRIVASTAVA</td><td>07/10/2020</td></tr></tbody></table>	Name	Execution Date	VENKATRAMAN NAGARAJAN IYER	07/10/2020	GUARAV HARISH SRIVASTAVA GURAV HARISH SRIVASTAVA	07/10/2020							
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<table><tr><td><b>Name:</b></td><td>BANK OF AMERICA CORPORATION</td></tr><tr><td><b>Street Address:</b></td><td>MAILCODE: NC1-027-20-05</td></tr><tr><td><b>Internal Address:</b></td><td>214 NORTH TRYON STREET</td></tr><tr><td><b>City:</b></td><td>CHARLOTTE</td></tr><tr><td><b>State/Country:</b></td><td>NORTH CAROLINA</td></tr><tr><td><b>Postal Code:</b></td><td>28255</td></tr></table>	<b>Name:</b>	BANK OF AMERICA CORPORATION	<b>Street Address:</b>	MAILCODE: NC1-027-20-05	<b>Internal Address:</b>	214 NORTH TRYON STREET	<b>City:</b>	CHARLOTTE	<b>State/Country:</b>	NORTH CAROLINA	<b>Postal Code:</b>	28255	
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<b>Phone:</b>	2149536759												
<b>Email:</b>	ptomail1@bakerbotts.com												
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<b>Correspondent Name:</b>	BAKER BOTTS LLP/BANK OF AMERICA CORPORAT												

PATENT

REEL: 053534 FRAME: 0693

8/10/2020, 2:26 PM

<b>Address Line 1:</b>	2001 ROSS AVENUE
<b>Address Line 2:</b>	SUITE 900
<b>Address Line 4:</b>	DALLAS, TEXAS 75201
<b>ATTORNEY DOCKET NUMBER:</b>	015444.1629
<b>NAME OF SUBMITTER:</b>	LATOYA JENKINS
<b>Signature:</b>	/Latoya Jenkins/
<b>Date:</b>	08/10/2020
<b>Total Attachments: 4</b> source=015444.1629 Assignment#page1.tif source=015444.1629 Assignment#page2.tif source=015444.1629 Assignment#page3.tif source=015444.1629 Assignment#page4.tif	
<b>RECEIPT INFORMATION</b>  <b>EPAS ID:</b> PAT6242609 <b>Receipt Date:</b> 08/10/2020	

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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

AUGUST 11, 2020

PTAS

BAKER BOTTS LLP/BANK OF AMERICA  
CORPORAT  
2001 ROSS AVENUE  
SUITE 900  
DALLAS, TX 75201

**506195870**

### UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 08/10/2020

REEL/FRAME: 053445/0628  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 015444.1629

ASSIGNOR:

IYER, VENKATRAMAN NAGARAJAN

DOC DATE: 07/10/2020

ASSIGNOR:

SRIVASTAVA, ~~GUARAV HARISH~~  
GAURAV HARISH

DOC DATE: 07/10/2020

ASSIGNEE:

BANK OF AMERICA CORPORATION  
MAILCODE: NC1-027-20-05  
214 NORTH TRYON STREET  
CHARLOTTE, NORTH CAROLINA 28255

APPLICATION NUMBER: 16989177

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: CONTROLLING MEMORY UTILIZATION BY A TOPIC IN A PUBLISH-SUBSCRIBE ENVIRONMENT

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

**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	<b>CONTROLLING MEMORY UTILIZATION BY A TOPIC IN A PUBLISH-SUBSCRIBE ENVIRONMENT</b>
As the below named inventor, I hereby declare that:	
This declaration is directed to: <input checked="" type="checkbox"/> The attached application, or <input type="checkbox"/> United States application or PCT international application number _____ filed on _____.	
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.	
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.	
<b>ASSIGNMENT</b>	
<p>WHEREAS, I <b>Venkatraman Nagarajan Iyer</b> ("Assignor"), a citizen of <b>India</b> (Country), residing in the Mumbai, <b>India</b> (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.</p> <p>U.S. Application No. <u>16/989,177</u>, filed — <u>08/10/2020</u> —</p> <p>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:</p> <p>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</p>	

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.

**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 NAME OF INVENTOR****Inventor:** Venkatraman Nagarajan Iyer**Date:** 07/10/2020**Signature:** / Venkatraman Nagarajan Iyer /



**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	<b>CONTROLLING MEMORY UTILIZATION BY A TOPIC IN A PUBLISH-SUBSCRIBE ENVIRONMENT</b>
As the below named inventor, I hereby declare that:	
<p>This declaration is directed to:</p> <p><input checked="" type="checkbox"/> The attached application, or</p> <p><input type="checkbox"/> United States application or PCT international application number _____ filed on _____.</p> <p>The above-identified application was made or authorized to be made by me.</p> <p>I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>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.</p>	
<p align="center"><b>ASSIGNMENT</b></p> <p>WHEREAS, I <b>Gaurav Harish Srivastava ("Assignor")</b>, a citizen of <b>India</b> (Country), residing in the Mumbai, <b>India</b> (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.</p> <p>U.S. Application No. <u>16/989,177</u>, filed <u>08/10/2020</u></p> <p>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:</p> <p>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</p>	

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.

**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 NAME OF INVENTOR**

Inventor: Gaurav Harish Srivastava

Date: 07/10/2020

Signature: /  /