

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4917323

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIAOFENG BAO	04/08/2018
MURALI BRAHMADESAM	04/03/2018
YI DING	04/12/2018
NIKET GOEL	04/03/2018
ANURAG WINDLASS GUPTA	04/03/2018
KAMAL KANT GUPTA	04/08/2018
CHANGAN HAN	04/03/2018
TIFFANY JIANTO	04/03/2018
TENGIZ KHARATISHVILI	04/09/2018
SAILESHWAR KRISHNAMURTHY	04/05/2018
BOHAN LIU	04/03/2018
SALEEM MOHIDEEN	04/05/2018
PUNIT RAJGARIA	04/03/2018
JOSEPH ANDREW TUCEK	04/03/2018
ALEXANDRE OLEGOVICH VERBITSKI	04/06/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AMAZON TECHNOLOGIES, INC.
<b>Street Address:</b>	PO BOX 81226
<b>City:</b>	SEATTLE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98108-1226
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15926983
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(512)853-8801
<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>	512-853-8800

**Email:** mmoffitt@intprop.com  
**Correspondent Name:** ROBERT C. KOWERT  
**Address Line 1:** PO BOX 398  
**Address Line 4:** AUSTIN, TEXAS 78767-0398

**ATTORNEY DOCKET NUMBER:** 6924-65001

**NAME OF SUBMITTER:** ROBERT C. KOWERT

**SIGNATURE:** /Robert C. Kowert/

**DATE SIGNED:** 04/16/2018

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 19**

source=P43818-US-ORG1-Assignment-Declaration#page1.tif  
source=P43818-US-ORG1-Assignment-Declaration#page2.tif  
source=P43818-US-ORG1-Assignment-Declaration#page3.tif  
source=P43818-US-ORG1-Assignment-Declaration#page4.tif  
source=P43818-US-ORG1-Assignment-Declaration#page5.tif  
source=P43818-US-ORG1-Assignment-Declaration#page6.tif  
source=P43818-US-ORG1-Assignment-Declaration#page7.tif  
source=P43818-US-ORG1-Assignment-Declaration#page8.tif  
source=P43818-US-ORG1-Assignment-Declaration#page9.tif  
source=P43818-US-ORG1-Assignment-Declaration#page10.tif  
source=P43818-US-ORG1-Assignment-Declaration#page11.tif  
source=P43818-US-ORG1-Assignment-Declaration#page12.tif  
source=P43818-US-ORG1-Assignment-Declaration#page13.tif  
source=P43818-US-ORG1-Assignment-Declaration#page14.tif  
source=P43818-US-ORG1-Assignment-Declaration#page15.tif  
source=P43818-US-ORG1-Assignment-Declaration#page16.tif  
source=P43818-US-ORG1-Assignment-Declaration#page17.tif  
source=P43818-US-ORG1-Assignment-Declaration#page18.tif  
source=P43818-US-ORG1-Assignment-Declaration#page19.tif

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

**PARTIES TO THE ASSIGNMENT**

**Assignor(s):**

**Xiaofeng Bao**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Tengiz Kharatishvili**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Murali Brahmadesam**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Saileshwar Krishnamurthy**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Yi Ding**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Bohan Liu**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Niket Goel**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Saleem Mohideen**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Anurag Windlass Gupta**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Punit Rajgaria**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Kamal Kant Gupta**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Joseph Andrew Tucek**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Changan Han**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Alexandre Olegovich Verbitski**

410 Terry Avenue North  
Seattle, WA 98109-521

**Tiffany Jianto**

410 Terry Avenue North  
Seattle, WA 98109-5210

**Assignee:**

Amazon Technologies, Inc.  
PO Box 81226  
Seattle, WA 98108-1226

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

"OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE" (Invention) for which a non-provisional application for United States Letters Patent (Application):

- ☒ was filed on March 21, 2018 and accorded U.S. Application No. 15/926,983; or
- ☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for recordation.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C., associated with Customer No. 136594, to insert in the header above and here in parentheses (U.S. Patent Application No. 15/926,983, filed March 21, 2018) this application's U.S. application number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said Application to which said foreign

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

**Inventors: Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

applications are entitled by virtue of international convention, treaty or otherwise, said Invention, Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks, as well as all other applicable patent offices throughout the world, to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the Application and the Invention or any

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

**Inventors: Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the Application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon ASSIGNOR's heirs, legal representatives, administrators, and assigns.

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; 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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
28F7E5EE3D6447F...

**Xiaofeng Bao**

April 8, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:


- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; 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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
08AB2F382ABE466...

**Murali Brahmadesam**

April 3, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

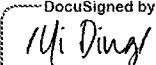
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
08A622BFD9A94FB...

**Yi Ding**

April 12, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

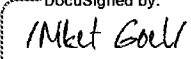
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
2C3D4AD2BCA74F5...

**Niket Goel**

April 3, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

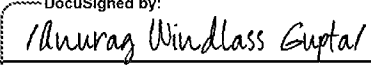
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
-----5AD967617C77478...

**Anurag Windlass Gupta**

April 3, 2018

\_\_\_\_\_  
Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; 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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
60D3D4ED5C7847E...

**Kamal Kant Gupta**

April 8, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

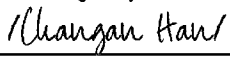
- ☐ the attached application; or  
☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or  
☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
5791EC17F7924B6...

**Changan Han**

April 3, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

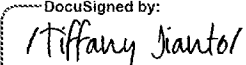
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
F205715CE9D04A0...

**Tiffany Jianto**

April 3, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

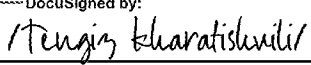
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
1E0A30B6EAA6483...

**Tengiz Kharatishvili**

April 9, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

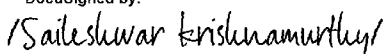
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
B505BD9F4D1F4FA...

**Saileshwar Krishnamurthy**

April 5, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:


- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; 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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
8FE2D611D3AB4D1...

**Bohan Liu**

April 3, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

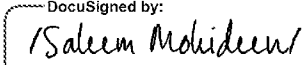
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
5C5F329B60364F0...

**Saleem Mohideen**

April 5, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

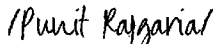
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
4EE31F974995459...

**Punit Rajgaria**

April 3, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; 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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
/Joseph Andrew Tucek/  
F1C7E3AD8A8F426...

**Joseph Andrew Tucek**

April 3, 2018

Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. 15/926,983

Attorney Docket No. 6924-65001

Filing Date March 21, 2018

Client Docket No. P43818-US-ORG1

Title of Invention: OPTIMISTIC CONCURRENCY FOR A MULTI-WRITER DATABASE

Inventors: **Xiaofeng Bao , Murali Brahmadesam , Yi Ding , Niket Goel , Anurag Windlass Gupta , Kamal Kant Gupta, Changan Han, Tiffany Jianto, Tengiz Kharatishvili, Saileshwar Krishnamurthy, Bohan Liu, Saleem Mohideen, Punit Rajgaria, Joseph Andrew Tucek, Alexandre Olegovich Verbitski.**

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

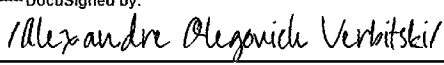
- ☐ the attached application; or
- ☒ United States Patent Application number 15/926,983 filed on March 21, 2018; or
- ☐ PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

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 have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

DocuSigned by:  
  
6D7652924AE4422...

**Alexandre Olegovich Verbitski**

April 6, 2018

Date