507737036 02/07/2023

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7784182

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
VISHWAS NARENDRA	09/29/2021
JOHN PENDER	01/30/2023
JAMES ZUBER	09/29/2021
RAGHUKISHORE BALIVADA	09/28/2021
MEHAK MEHTA	09/28/2021
HARISHKUMAR KATAGAL	09/29/2021
PREETHAM KOWSHIK	09/28/2021
ADDISON JOSEPH BURNS	09/28/2021
SAMEER CHOUDHARY	09/29/2021
ERNEST S. COHEN	09/29/2021
ABHISHEK KANNAN	09/29/2021
ARVINTH RAVI	01/18/2023
NIKHIL SHAH	09/28/2021

#### **RECEIVING PARTY DATA**

Name:	AMAZON TECHNOLOGIES, INC.	
Street Address:	P.O BOX 81226	
City:	SEATTLE	
State/Country:	WASHINGTON	
Postal Code:	98108-1226	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17449625

## **CORRESPONDENCE DATA**

**Fax Number:** (949)760-9502

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:** 9497600404

**Email:** efiling@knobbe.com

Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR, LLP

Address Line 1: 2040 MAIN STREET

**PATENT** 

507737036 REEL: 062616 FRAME: 0927

Address Line 4: IRVI	NE, CALIFORNIA 92614	
ATTORNEY DOCKET NUMBER:	SEAZN.1865A	
NAME OF SUBMITTER:	JEREMY J. CARNEY	
SIGNATURE:	/Jeremy J Carney/	
DATE SIGNED:	02/07/2023	
Total Attachments: 17		
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U.S. Patent Appln. No. <u>17/449,625</u> Filing Date <u>30 Sep 2021</u> Attorney Docket No. SEAZN.1865A Client Docket No. P74530-US01

### PARTIES TO THE ASSIGNMENT

#### Assignor(s):

Vishwas Narendra 410 Terry Avenue North Seattle, WA 98109-5210

John Pender 410 Terry Avenue North Seattle, WA 98109-5210

James Zuber 410 Terry Avenue North Seattle, WA 98109-5210

RaghuKishore Balivada 410 Terry Avenue North Seattle, WA 98109-5210

Mehak Mehta 410 Terry Avenue North Seattle, WA 98109-5210

Harishkumar Katagal 410 Terry Avenue North Seattle, WA 98109-5210

Preetham Kowshik 410 Terry Avenue North Seattle, WA 98109-5210

Addison Joseph Burns 410 Terry Avenue North Seattle, WA 98109-5210

Sameer Choudhary 410 Terry Avenue North Seattle, WA 98109-5210

Ernest S. Cohen 410 Terry Avenue North Seattle, WA 98109-5210

U.S. Patent Appln. No. <u>17/449,625</u> Filing Date <u>30 Sep 202</u>1 Attorney Docket No. SEAZN.1865A Client Docket No. P74530-US01

Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM

Abhishek Kannan 410 Terry Avenue North Seattle, WA 98109-5210

Arvinth Ravi 410 Terry Avenue North Seattle, WA 98109-5210

Nikhil Shah 410 Terry Avenue North Seattle, WA 98109-5210

#### Assignee:

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

#### **AGREEMENT**

"TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM" (Invention) for which a non-provisional application for United States Letters Patent (Application):

was filed on \_\_\_\_\_\_ and accorded U.S. Application No. \_\_\_\_\_\_; 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 Knobbe, Martens, Olson & Bear, LLP, associated with Customer No. 79502, to insert in the header above and here in parentheses (U.S. Patent Application No. \_\_\_\_\_\_\_ filed \_\_\_\_\_\_\_) this application's U.S. application number and filing date, when known.

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

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U.S. Patent Appln. No. 17/449,625

Filing Date 30 Sep 2021

Attorney Docket No. SEAZN.1865A

Client Docket No. P74530-US01

Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A

DISTRIBUTED STORAGE SYSTEM

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

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.

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U.S. Patent Appln. No. <u>17/449,625</u>

Filing Date 30 Sep 2021

Attorney Docket No. SEAZN.1865A

Client Docket No. P74530-US01

Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A

DISTRIBUTED STORAGE SYSTEM

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

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.

Page 4 of 17

# PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. SEAZN.1865A

Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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: Vishwas Marendra Vishwas Narendra September 29, 2021 Date

## PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. SEAZN.1865A

Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number \_\_\_\_\_\_ filed on \_\_\_\_\_\_; 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. John Pender January 30, 2023 Date

U.S. Patent Appln. No. <u>17/449,625</u>

# PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. SEAZN.1865A

Filing Date 30 Sep 2021	Pate 30 Sep 2021 Client Docket No. P7453		
Title of Invention: TRANSACTION MANAGE DISTRIBUTED STORAGE SYSTEM	EMENT FOR MONC	OTONIC WRITE CONS	STENCY IN A
DECLARATION			
As a below named inventor, I hereby declar	e that:		
This declaration is directed to:			
igotimes the attached application; or			
United States Patent Applicatio	n number	filed on	; or
PCT International Application no	umber	filed on	•
The above-identified application was made	or authorized to be	e made by me.	
I believe that I am the original inventor or a	n original joint inve	ntor of a claimed Inve	ention in the
application.			
I have reviewed and understand the conten	its of the above-ide	ntified application, ar	nd acknowledge
the duty to disclose to the US Patent & Trac	lemark Office all in	formation known to n	ne to be
material to the patentability as defined in 3	7 CFR 1.56.		
I hereby acknowledge that any willful false	statement made in	this declaration is pu	nishable under
18 USC 1001 by fine or imprisonment of no	t more than five (5)	years, or both.	
DocuSigned by:			
James Buber			
James Zuber			
September 29, 2021			
Date			

U.S. Patent Appln. No. 17/449,625 Attorney Docket No. SEAZN.1865A Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number \_\_\_\_\_\_ filed on \_\_\_\_\_\_; 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.

Raghukishore Balivada

Reptember 28, 2021

Date

September 28, 2021

Date

# PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 17/449,625 Attorney Docket No. SEAZN.1865A Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A **DISTRIBUTED STORAGE SYSTEM DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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: Meliak Melita Mehak Mehta

September 29, 2021

Date

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

U.S. Patent Appln. No. 17/449,625 Attorney Docket No. SEAZN.1865A Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number \_\_\_\_\_\_ filed on \_\_\_\_\_\_; 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. Harishkumar katagal Harishkumar Katagal

Date

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

U.S. Patent Appln. No. 17/449,625 Attorney Docket No. SEAZN.1865A Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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. Preetlam kowslik Preetham Kowshik September 28, 2021

Addison Joseph Burns

September 28, 2021

Date

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

U.S. Patent Appln. No. 17/449,625 Attorney Docket No. SEAZN.1865A Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A **DISTRIBUTED STORAGE SYSTEM DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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. Addison Joseph Burns

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

Attorney Docket No. SEAZN.1865A

Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A **DISTRIBUTED STORAGE SYSTEM DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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. Sameer Choudhary Sameer Choudhary September 29, 2021 Date

# PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. SEAZN.1865A

Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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: Ernest S. Colun Ernest S. Cohen September 29, 2021 Date

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

Attorney Docket No. SEAZN.1865A

Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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: Abhishet Kaman ~C615E92177DE42D... Abhishek Kannan September 29, 2021 Date

## PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. SEAZN.1865A

Filing Date 30 Sep 2021 Client Docket No. P74530-US01 Title of Invention: TRANSACTION MANAGEMENT FOR MONOTONIC WRITE CONSISTENCY IN A DISTRIBUTED STORAGE SYSTEM **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on ; 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: aninth Ravi A0FAF984A9CF453.. Arvinth Ravi January 18, 2023 Date

RECORDED: 02/07/2023

U.S. Patent Appln. No. 17/449,625

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

Attorney Docket No. SEAZN.1865A

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Page 17 of 17