506466686 01/25/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6513462

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GOURAV ROY	01/19/2021
ALLEN ROBERT SAMUELS	01/19/2021
KEVIN R MCGEHEE	01/25/2021
ITAY MAOZ	01/19/2021
ABHISHEK KUMAR	01/24/2021
JUAN CARLOS GOMEZ	01/20/2021
JAN RAAK	01/22/2021
QU CHEN	01/19/2021
AHMED HESHAM SALEM	01/19/2021

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17157135

CORRESPONDENCE DATA

Fax Number: (206)757-7700

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JeanLarsen@dwt.com

Correspondent Name: DAVIS WRIGHT TREMAINE LLP - ATI

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Address Line 4: SEATTLE, WASHINGTON 98101

ATTORNEY DOCKET NUMBER:	0097749-C40US0
NAME OF SUBMITTER:	JEAN M. LARSEN

PATENT 50646686 REEL: 055019 FRAME: 0663

SIGNATURE:	/Jean M. Larsen/	
DATE SIGNED:	01/25/2021	
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 13		1
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source=2021-01-25_P71560-US0100	97749-C40US0Fully_Executed_Assignment_and_DeclarationPrivilege	d_a
source=2021-01-25_P71560-US0100	97749-C40US0Fully_Executed_Assignment_and_DeclarationPrivilege	d_a
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PATENT REEL: 055019 FRAME: 0664

U.S. Patent App. No. <u>17/157,135</u> Filing Date <u>January 25, 2021</u> Attorney Docket No. 0097749-C40US0 Client Docket No. P71560-US01

PARTIES TO THE ASSIGNMENT

Assignor(s):

Gourav Roy 410 Terry Avenue North Seattle, WA 98109-5210

Allen Robert Samuels
410 Terry Avenue North Seattle,

WA 98109-5210

Kevin R McGehee 410 Terry Avenue North Seattle,

WA 98109-5210

Itay Maoz 410 Terry Avenue North Seattle,

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Abhishek Kumar 410 Terry Avenue North Seattle,

WA 98109-5210

Juan Carlos Gomez 410 Terry Avenue North Seattle, WA 98109-5210

Jan Raak 410 Terry Avenue North Seattle, WA 98109-5210

Qu Chen 410 Terry Avenue North Seattle, WA 98109-5210

Ahmed Hesham Salem 410 Terry Avenue North Seattle, WA 98109-5210

Assignee:

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

AGREEMENT

> PATENT REEL: 055019 FRAME: 0665

for recordation. ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal

U.S. Patent App. No. 17/157,135

Filing Date January 25, 2021

Attorney Docket No. 0097749-C40US0 Client Docket No. P71560-US01

Title of Invention: DATABASE WITH IN-MEMORY DATA STORES

Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar,

Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem,

representatives, of Davis Wright Tremaine LLP, associated with Customer No. 113507,

to insert in the header above and here in parentheses (U.S. Patent Application No.

17/157,135, filed Jan. 25, 2021) 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

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

Page 2 of 13

PATENT **REEL: 055019 FRAME: 0666**

U.S. Patent App. No. 17/157,135

Filing Date January 25, 2021

Attorney Docket No. 0097749-C40US0 Client Docket No. P71560-US01

Title of Invention: DATABASE WITH IN-MEMORY DATA STORES

Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar,

Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem,

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

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 3 of 13

PATENT

REEL: 055019 FRAME: 0667

U.S. Patent App. No. <u>17/157,135</u> Filing Date <u>January 25, 2021</u> Attorney Docket No. 0097749-C40US0 Client Docket No. P71560-US01

Title of Invention: DATABASE WITH IN-MEMORY DATA STORES

Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem,

Page 4 of 13

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-C40US0 U.S. Patent App. No. <u>17/157,135</u> Client Docket No. P71560-US01 Filing Date January 25, 2021 Title of Invention: DATABASE WITH IN-MEMORY DATA STORES Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem, 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. 16ouran Roy1 Gourav Roy January 19, 2021

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-C40US0 U.S. Patent App. No. <u>17/157,135</u> Client Docket No. P71560-US01 Filing Date January 25, 2021 Title of Invention: DATABASE WITH IN-MEMORY DATA STORES Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem, **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. /Allen Robert Samuels/ Allen Robert Samuels January 19, 2021

Attorney Docket No. 0097749-C40US0 U.S. Patent App. No. <u>17/157,135</u> Client Docket No. P71560-US01 Filing Date January 25, 2021 Title of Invention: DATABASE WITH IN-MEMORY DATA STORES Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem, **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. Herin Robert McGelucs ~7E0FB535DC834AE... Kevin R McGehee January 25, 2021 Date

Itay Maoz

Date

January 19, 2021

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-C40US0 U.S. Patent App. No. <u>17/157,135</u> Client Docket No. P71560-US01 Filing Date January 25, 2021 Title of Invention: DATABASE WITH IN-MEMORY DATA STORES Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem, **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: May Masy -E6DE2319BF5649E...

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DECLARATION

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The above identified application was made or authorized to be made by me.

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Appropriate Landon

Abhishek Kumar

25th September 1

Date

Juan Carlos Gomez

January 20, 2021

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-C40US0 U.S. Patent App. No. <u>17/157,135</u> Client Docket No. P71560-US01 Filing Date January 25, 2021 Title of Invention: DATABASE WITH IN-MEMORY DATA STORES Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem, **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. 1 Juan Carlos Gomes/ ~6FDD2CB7CAD6443...

Page 10 of 13

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-C40US0 U.S. Patent App. No. <u>17/157,135</u> Client Docket No. P71560-US01 Filing Date January 25, 2021 Title of Invention: DATABASE WITH IN-MEMORY DATA STORES Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem, **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: / Jan Raak/ ~6AC5A65985F7452... ' Jan Raak January 22, 2021

U.S. Patent App. No. <u>17/157,135</u> Filing Date <u>January 25, 2021</u> Attorney Docket No. 0097749-C40US0 Client Docket No. P71560-US01

Title of Invention: DATABASE WITH IN-MEMORY DATA STORES
Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem,
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United States Patent Application number filed on; or
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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
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18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.
——DocuSigned by: / Au (Jun)
Qu Chen
January 19, 2021
Date

Page 12 of 13

January 19, 2021

RECORDED: 01/25/2021

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 0097749-C40US0 U.S. Patent App. No. <u>17/157,135</u> Client Docket No. P71560-US01 Filing Date January 25, 2021 Title of Invention: DATABASE WITH IN-MEMORY DATA STORES Inventors: Gourav Roy, Allen Robert Samuels, Kevin R McGehee, Itay Maoz, Abhishek Kumar, Juan Carlos Gomez, Jan Raak, Qu Chen, Ahmed Hesham Salem, **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. /Alimed Hesliam Salem/ Ahmed Hesham Salem

Page 13 of 13

PATENT REEL: 055019 FRAME: 0677