504450759 07/11/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW JOHN CAMPAGNA	07/03/2017
GREGORY ALAN RUBIN	07/05/2017
NICHOLAS ALEXANDER ALLEN	06/30/2017
ANDREW KYLE DRIGGS	06/30/2017
ERIC JASON BRANDWINE	06/30/2017

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:	15390214

CORRESPONDENCE DATA

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Correspondent Name: DAVIS WRIGHT TREMAINE LLP - ATI Address Line 1: 1201 THIRD AVENUE, SUITE 2200 SEATTLE, WASHINGTON 98101-3045

ATTORNEY DOCKET NUMBER:	0097749-769US0	
NAME OF SUBMITTER:	ME OF SUBMITTER: BRUCE L. JOHNSON	
SIGNATURE:	/Bruce L. Johnson/	
DATE SIGNED: 07/11/2017		
	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 042968 FRAME: 0043

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Total Attachments: 8

source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page1.tif source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page2.tif source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page3.tif source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page4.tif source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page5.tif source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page6.tif source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page7.tif source=2017-07-11 P35559-US (0097749-769US0) Assignment and Declarations#page8.tif

PATENT REEL: 042968 FRAME: 0044

U.S. Patent Appln. No. <u>15/390,214</u>

Attorney Docket No. 0097749-769US0

Filing Date December 23, 2016

Client Docket No. P35559-US

PARTIES TO THE ASSIGNMENT

Assignor(s):

MATTHEW JOHN CAMPAGNA 410 Terry Avenue North Seattle, WA 98109-5210

GREGORY ALAN RUBIN 410 Terry Avenue North Seattle, WA 98109-5210

NICHOLAS ALEXANDER ALLEN 410 Terry Avenue North Seattle, WA 98109-5210

<u>Assignee:</u>

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

410 Terry Avenue North Seattle, WA 98109-5210

ERIC JASON BRANDWINE 410 Terry Avenue North Seattle, WA 98109-5210

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT" (Invention) for which a non-provisional application for United States Letters Patent (Application):

\boxtimes	was filed on <u>December 23, 2016,</u> and accorded U.S. Application No. <u>15/390,214</u> ; 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 <u>Davis Wright Tremaine LLP</u>, associated with Customer No. <u>113507</u>, to insert in the header above and here in parentheses (U.S. Patent Application No. <u>15/390,214</u>, filed <u>December 23, 2016</u>) this application's U.S. application number and filing date, when known.

> PATENT REEL: 042968 FRAME: 0045

U.S. Patent Appln. No. 15/390,214

Attorney Docket No. 0097749-769US0

Filing Date December 23, 2016

Client Docket No. P35559-US

Title of Invention: KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT

Inventors: MATTHEW JOHN CAMPAGNA, GREGORY ALAN RUBIN, NICHOLAS ALEXANDER

ALLEN, ANDREW KYLE DRIGGS, and ERIC JASON BRANDWINE

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

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PATENT REEL: 042968 FRAME: 0046

U.S. Patent Appln. No. 15/390,214

Attorney Docket No. 0097749-769US0

Filing Date December 23, 2016

Client Docket No. P35559-US

Title of Invention: KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT

Inventors: MATTHEW JOHN CAMPAGNA, GREGORY ALAN RUBIN, NICHOLAS ALEXANDER

ALLEN, ANDREW KYLE DRIGGS, and ERIC JASON BRANDWINE

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.

Attorney Docket No. 0097749-769US0 U.S. Patent Appln. No. 15/390,214 Filing Date December 23, 2016 Client Docket No. P35559-US Title of Invention: KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT Inventors: MATTHEW JOHN CAMPAGNA, GREGORY ALAN RUBIN, NICHOLAS ALEXANDER ALLEN, ANDREW KYLE DRIGGS, and ERIC JASON BRANDWINE **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/390,214, filed on December 23, 2016; 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: -- 66F8A4385445455 MATTHEW JOHN CAMPAGNA July 3, 2017 Date

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U.S. Patent Appln. No. <u>15/390,214</u> Attorney Docket No. <u>0097749-769US0</u>
Filing Date <u>December 23, 2016</u> Client Docket No. <u>P35559-US</u>
Title of Invention: KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT
Inventors: MATTHEW JOHN CAMPAGNA, GREGORY ALAN RUBIN, NICHOLAS ALEXANDER ALLEN, ANDREW KYLE DRIGGS, and ERIC JASON BRANDWINE
<u>DECLARATION</u>
As a below named inventor, I hereby declare that:
This declaration is directed to:
the attached application; or
igotimes United States Patent Application number <u>15/390,214</u> , filed on <u>December 23, 2016</u> ; or
PCT International Application numberfiled 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.
/Gregory Alan Rubin/
July 5, 2017 Date

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DWT 30764072v1 0097749-769US0 **PATENT REEL: 042968 FRAME: 0049**

Attorney Docket No. 0097749-769US0 U.S. Patent Appln. No. 15/390,214 Filing Date December 23, 2016 Client Docket No. P35559-US Title of Invention: KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT Inventors: MATTHEW JOHN CAMPAGNA, GREGORY ALAN RUBIN, NICHOLAS ALEXANDER ALLEN, ANDREW KYLE DRIGGS, and ERIC JASON BRANDWINE **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/390,214, filed on December 23, 2016; 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: Micholas Alexander Allen -684759EF4BE449E... **NICHOLAS ALEXANDER ALLEN** June 30, 2017 Date

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DWT 30764072v1 0097749-769US0 PATENT **REEL: 042968 FRAME: 0050**

U.S. Patent Appln. No. 15/390,214 Attorney Docket No. 0097749-769US0 Filing Date December 23, 2016 Client Docket No. P35559-US Title of Invention: KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT Inventors: MATTHEW JOHN CAMPAGNA, GREGORY ALAN RUBIN, NICHOLAS ALEXANDER ALLEN, ANDREW KYLE DRIGGS, and ERIC JASON BRANDWINE **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/390,214, filed on December 23, 2016; 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. DocuStaned by: Andrew Kyle Driggs **ANDREW KYLE DRIGGS** June 30, 2017 Date

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DWT 30764072v1 0097749-769US0 **PATE**

RECORDED: 07/11/2017

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/390,214 Attorney Docket No. 0097749-769US0 Filing Date December 23, 2016 Client Docket No. P35559-US Title of Invention: KEY DISTRIBUTION IN A DISTRIBUTED COMPUTING ENVIRONMENT Inventors: MATTHEW JOHN CAMPAGNA, GREGORY ALAN RUBIN, NICHOLAS ALEXANDER ALLEN, ANDREW KYLE DRIGGS, and ERIC JASON BRANDWINE **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or \square United States Patent Application number <u>15/390,214</u>, filed on <u>December 23, 2016</u>; 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. /Eric Jason Brandwine/ E2FD5DE96345452. **ERIC JASON BRANDWINE** June 30, 2017 Date

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DWT 30764072v1 0097749-769US0 PATENT REEL: 042968 FRAME: 0052