#### 505439784 04/22/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5486585

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANTHONY CLAY BUSH	11/05/2014
DARRYL CHALMERS	03/09/2015
FURQAN ALI KHAN	11/05/2014
TIPU SALEEM QURESHI	11/05/2014
TROY JAMES ULMER	11/05/2014

#### **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:	16391274

### **CORRESPONDENCE DATA**

Fax Number: (801)566-0750

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: 8015666633

Email: jennifer.morison@tnw.com, docket@tnw.com **Correspondent Name:** THORPE, NORTH & WESTERN - AMAZON

Address Line 1: 8180 SOUTH 700 EAST SUITE 350

Address Line 4: SANDY, UTAH 84070

ATTORNEY DOCKET NUMBER: 3516-P17656.US03CON	
NAME OF SUBMITTER:	STEVE M. PERRY
SIGNATURE:	/Steve M. Perry/
<b>DATE SIGNED:</b> 04/22/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).
	•

Total Attachments: 8

**PATENT** REEL: 048961 FRAME: 0090

PATENT REEL: 048961 FRAME: 0091

U.S. Patent Appln. No. <u>14/520.246</u> Filing Date October 21, 2014 Attorney Docket No. <u>3516-P17656.US</u> Client Docket No. <u>P17656-US</u>

### PARTIES TO THE ASSIGNMENT

### Assignor(s):

### **ANTHONY CLAY BUSH**

410 Terry Avenue North Seattle, WA 98109-5210

#### DARRYL CHALMERS

410 Terry Avenue North Seattle, WA 98109-5210

### **FURQAN ALI KHAN**

410 Terry Avenue North Seattle, WA 98109-5210

#### TIPU SALEEM QURESHI

410 Terry Avenue North Seattle, WA 98109-5210

#### TROY JAMES ULMER

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

"INTER SERVICE NETWORK COMMUNICATION OPTIMIZATION" (Invention) for which a non-provisional application for United States Letters Patent

Was filed on October 21, 2014 and accorded U.S. application no. 14/520 246; or

$\boxtimes$	was filed on October 21, 2014 and accorded U.S. application no. 14/520,246; or
	will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for
	recordation.

U.S. Patent Appln. No. 14/520,246

Filing Date October 21, 2014

Attorney Docket No. 3516-P17656.US

Client Docket No. P17656-US

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE'S legal representatives, of

Thorpe North & Western, associated with Customer No. 20,551, to insert in the header above and here

in parentheses (U.S. application no. 14/520,246, filed October 21, 2014) 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(5) hereby authorize and request the Commissioner of

Patents and Trademarks 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.

Page 2 of 8

PATENT

REEL: 048961 FRAME: 0093

U.S. Patent Appln. No. 14/520,246

Filing Date October 21, 2014

Attorney Docket No. 3516-P17656.US

Client Docket No. P17656-US

AND ASSIGNOR(S) DOES HEREBY self, 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 said

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 the 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 our heirs, legal representatives,

administrators, and assigns.

**CORRESPONDENCE ADDRESS** 

I hereby direct all correspondence and telephone calls in connection with this application be

addressed to the number associated with the customer number listed below, which is:

Customer No.

20,551

Page 3 of 8

PATENT

REEL: 048961 FRAME: 0094

U.S. Patent Appln. No. <u>14/520,246</u> Filing Date <u>October 21, 2014</u> Attorney Docket No. <u>3516-P17656.US</u> Client Docket No. <u>P17656-US</u>

DE	U.	<u> IRATI</u>	ON			

As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
United States application number 14/520,24	16 filed on <u>October 21, 2014;</u> or
PCT international application number	filed on
The above-identified application was made or authorize	ed to be made by me.
I believe that I am the original inventor or an original join application.	int inventor of a claimed Invention in the
I have reviewed and understand the contents of the about to disclose to the US Patent & Trademark Office all patentability as defined in 37 CFR 1.56.	
I hereby acknowledge that any willful false statement m USC 1001 by fine or imprisonment of not more than five	
Legal name of inventor: ANTHONY CLAY BUSH  Date	Inventor Signature
WITNESSED BY:	Witness (Signeture) Witness (Printed Name)

Page 4 of 8

U.S. Patent Appln. No. <u>14/520,246</u> Filing Date <u>October 21, 2014</u> Attorney Docket No. <u>3516-P17656.US</u> Client Docket No. <u>P17656-US</u>

DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
United States application number 14/520,2	46 filed on <u>October 21, 2014;</u> or
PCT international application number	
The above-identified application was made or authorize	ed to be made by me.
I believe that I am the original inventor or an original jo application.	oint inventor of a claimed Invention in the
I have reviewed and understand the contents of the abduty to disclose to the US Patent & Trademark Office a patentability as defined in 37 CFR 1.56.	
I hereby acknowledge that any willful false statement r USC 1001 by fine or imprisonment of not more than fiv	
Legal name of inventor: DARRYL CHALMERS  Name of inventor: DARRYL CHALMERS  Date	Inventor Signature
MITNESSED BY:  March 9, 2015  Date	Winess (Signature)  JERED D. AST

Page 5 of 8

Witness (Printed Name)

U.S. Patent Appin. No. <u>14/520,246</u> Filing Date <u>October 21, 2014</u> Attorney Docket No. <u>3516-P17656.US</u> Client Docket No. <u>P17656-US</u>

DECLARATION				
As a below named inventor, I hereby declare that:				
This declaration is directed to:				
the attached application; or				
United States application number 14/520,24	<u>16</u> filed on <u>October 21, 2014;</u> or			
PCT international application number	filed on			
. The above-identified application was made or authorize	d to be made by me.			
I believe that I am the original inventor or an original joi application.	nt inventor of a claimed invention in the			
I have reviewed and understand the contents of the about to disclose to the US Patent & Trademark Office all 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.				
Legal name of inventor: FURQAN ALI KHAN  1 105 / 2014  Date	Inventor Signature			
WITNESSED BY:	Witness (Signatule) Witness (Printed Name)			

U.S. Patent Appln. No. <u>14/520,246</u> Filing Date <u>October 21, 2014</u> Attorney Docket No. <u>3516-P17656.US</u> Client Docket No. <u>P17656-US</u>

DECLARATION	`
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
igotimes United States application number 14/520,2	46 filed on <u>October 21, 2014;</u> or
PCT international application number	filed on
The above-identified application was made or authorize	ed to be made by me.
I believe that I am the original inventor or an original jo application,	int inventor of a claimed Invention in the
I have reviewed and understand the contents of the abduty to disclose to the US Patent & Trademark Office all patentability as defined in 37 CFR 1.56.	
I hereby acknowledge that any willful false statement in USC 1001 by fine or imprisonment of not more than fiv	
Legal name of inventor: TIPU SALEEM QURESHI	
11/5/2014 Date	Inventor Signature
WITNESSED BY:	Witness (Signature)  Witness (Printed Name)

Page 7 of 8

U.S. Patent Appln. No. 14/520,246

**RECORDED: 04/22/2019** 

Filing Date October 21, 2014	Client Docket No. <u>P17656-US</u>
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
igstyle igy igstyle igy igstyle igy igstyle igy igy igy igy igy igy igy igy	<u>46</u> filed on <u>October 21, 2014;</u> or
PCT international application number	filed on
The above-identified application was made or authorize	ed to be made by me.
I believe that I am the original inventor or an original jo	oint inventor of a claimed Invention in the
application.	
I have reviewed and understand the contents of the ab	ove-identified application, and acknowledge the
duty to disclose to the US Patent & Trademark Office a	ll 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 r	nade in this declaration is punishable under 18
USC 1001 by fine or imprisonment of not more than fiv	
Legal name of inventor: TROY IAMES III MER	
Legal name of inventor: TROY JAMES ULMER	- 11 a/a
Date 2014	Inventor Signature
WITNESSED BY:	
	Witness (Signature)
	The Duran
	Witness (Printed Name)

Page 8 of 8

Attorney Docket No. 3516-P17656.US