503713652 02/29/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3760293

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN CALLAGHAN	07/22/2015
LEONARD THOMAS TRACY	08/12/2015
MARK NOEL KELLY	02/25/2016
ALAN MICHAEL JUDGE	07/29/2015
JUSTIN OLIVER PIETSCH	02/25/2016
AMIT SAHOO	02/25/2016

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:	14748916

CORRESPONDENCE DATA

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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.

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Email: allison.green@klarquist.com **Correspondent Name:** KLARQUIST SPARKMAN, LLP

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Address Line 2: ONE WORLD TRADE CENTER Address Line 4: PORTLAND, OREGON 97204

ATTORNEY DOCKET NUMBER:	8904-94331-01
NAME OF SUBMITTER:	OGNYAN I. BEREMSKI
SIGNATURE:	/Ognyan I. Beremski/
DATE SIGNED:	02/29/2016

Total Attachments: 10		
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U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u> Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

PARTIES TO THE ASSIGNMENT

Assignor(s):

STEPHEN CALLAGHAN

410 Terry Avenue North Seattle, WA 98109-5210

LEONARD THOMAS TRACY

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MARK NOEL KELLY

410 Terry Avenue North Seattle, WA 98109-5210

ALAN MICHAEL JUDGE

410 Terry Avenue North Seattle, WA 98109-5210

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410 Terry Avenue North Seattle, WA 98109-5210

AMIT SAHOO

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 "<u>ADJUSTING</u>

<u>COMMUNICATION CAPACITY IN A MULTI-STAGE ROUTING NETWORK</u>" (Invention) for which a nonprovisional application for United States Letters Patent

was filed on June 24, 2015 and accorded U.S. application no. 14/748,916; or

Page 1 of 10

U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u> Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

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 Klarquist

Sparkman, LLP, associated with Customer No. 126752, to insert in the header above and here in

parentheses (U.S. application no. 14/748,916, filed June 24, 2015) 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 to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to

Page 2 of 10

U.S. Patent Appln. No. 14/748,916 Filing Date June 24, 2015

Attorney Docket No. 8904-94331-01

Client Docket No. P24005-US

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(5) 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.

Page 3 of 10

U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u>

Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

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.

"126752"

Page 4 of 10

U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u> Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

DECLARATION

As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
$oxed{\boxtimes}$ United States application number 14/74	18,916 filed on <u>June 24, 2015;</u> or
PCT international application number_	filed on
The above-identified application was made or authorized	orized to be made by me.
I believe that I am the original inventor or an origin	al 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 Offic	e all information known to me to be material to the
patentability as defined in 37 CFR 1.56.	
thereby administration that any willful false statemen	nt made in this declaration is nunishable under
I hereby acknowledge that any willful false stateme	
18 USC 1001 by fine or imprisonment of not more t	nan five (5) years, or both.
Legal name of Inventor:	
STEPHEN CALLAGHAN	WITNESSED BY:
InventorSignature	Witness Signature
215-07-22-	MUSTEN ROUNS
Date	Witness (Printed Name)
	Date 12, 106

Page 5 of 10

U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u> Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

As a below named inventor, I hereby declare that:		
This declaration is directed to:		
the attached application; or		
igspace United States application number <u>14/74</u>	18,916 filed on <u>June 24, 2015;</u> or	
PCT international application number _	filed on	
The above-identified application was made or authorized	orized to be made by me.	
I believe that I am the original inventor or an original	al 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 stateme	nt 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:		
LEONARD THOMAS TRACY	WITNESSED BY:	
Inventor Signature	Witness Signatière	
8-12-2015	Witness (Printed Name)	
Date	Numers (rinned name)	
	Date MUAUST 12 AOIS	

Page 6 of 10

U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u>

February 25, 2016 | 10:55:17 PT

Date

Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

DECLARATION
As a below named inventor, I hereby declare that:
This declaration is directed to:
the attached application; or
igotimes United States application number <u>14/748,916</u> filed on <u>June 24, 2015;</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.
Docusioned by: /Mark Nort Felly/ —CICE400F44A341C
MARK NOEL KELLY

Page 7 of 10

U.S. Patent Appin. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u> Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

<u>DECLARATION</u>	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
igsep United States application number <u>14/7</u> 4	1 <u>8,916</u> filed on <u>June 24, 2015;</u> or
PCT international application number	filed on
The above-identified application was made or authorized	orized to be made by me.
I believe that I am the original inventor or an original	al joint inventor of a claimed Invention in the
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I have reviewed and understand the contents of the	above-identified application, and acknowledge the
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patentability as defined in 37 CFR 1.56.	
I hereby acknowledge that any willful false stateme	nt 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:	
ALAN MICHAEL JUDGE	WITNESSED BY:
John Sand	- C.C. IL .
Inventor Signature	Witness Signature
29/7/2015	SARAH LYNOCH
Date /	Witness (Printed Name)

Page 8 of 10

U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u> Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

DECLARATION As a below named inventor, I hereby declare that:
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igotimes United States application number <u>14/748,916</u> filed on <u>June 24, 2015</u> ; or
PCT international application numberfiled on
The above-identified application was made or authorized to be made by me.
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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.
/Amit Sahoo/seessescesses420
AMIT SAHOO
February 25, 2016 10:45:24 PT
Date

Page 10 of 10

U.S. Patent Appln. No. <u>14/748,916</u> Filing Date <u>June 24, 2015</u>

February 25, 2016 | 15:09:56 PT

Date

RECORDED: 02/29/2016

Attorney Docket No. 8904-94331-01 Client Docket No. P24005-US

DECLARATION
As a below named inventor, I hereby declare that:
This declaration is directed to:
the attached application; or
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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: (Justin Pliner Pietsch) FEEZABROOSDZASE
JUSTIN OLIVER PIETSCH

Page 9 of 10