PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGORY BRANCHEK ROTH	07/30/2014
ERIC JASON BRANDWINE	10/08/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16440899

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	0097749-244US1
NAME OF SUBMITTER:	DYLAN O. ADAMS
SIGNATURE:	/Dylan O. Adams/
DATE SIGNED:	06/13/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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PATENT REEL: 049465 FRAME: 0087

U.S. Patent Appln. No. <u>14/318,457</u> Filing Date <u>June 27, 2014</u> Attorney Docket No. 0097749-244US0 Client Docket No. P15067-US

PARTIES TO THE ASSIGNMENT

Assignor(s):

GREGORY BRANCHEK ROTH 410 Terry Avenue North Scattle, WA 98109-5210

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

Assignee: Amazon Technologies, Inc. PO Box 8102 Reno, NV 89507

AGREEMENT

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

"DYNAMIC RESPONSE SIGNING CAPABILITY IN A DISTRIBUTED SYSTEM" (Invention) for which a non-provisional application for United States Letters Patent

| was filed on June 27, 2014 and accorded U.S. application no. 14/318,457; 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. application no. <u>14/318,457</u>, filed <u>June 27, 2014</u>) this application's U.S. application number and filing date, when known.

Page 1 of 5

PATENT REEL: 049465 FRAME: 0088

U.S. Patent Appln. No. 14/318,457 Filing Date June 27, 2014

Attorney Docket No. 0097749-244US0

Client Docket No. P15067-US

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 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

Page 2 of 5

PATENT

REEL: 049465 FRAME: 0089

U.S. Patent Appln. No. <u>14/318,457</u> Filing Date <u>June 27, 2014</u> Attorney Docket No. <u>0097749-244US0</u> Client Docket No. P15067-US

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 fisted below, which is:

Customer No.

113507

Page 3 of 5

PATENT

REEL: 049465 FRAME: 0090

U.S. Patent Appln. No. <u>14/318.457</u> Filing Date <u>June 27, 2014</u> Attorney Docket No. <u>0097749-244US0</u> Client Docket No. <u>P15067-US</u>

<u>DECLARATION</u>	
As a below named inventor, I hereby declare that	nt:
This declaration is directed to:	
the attached application; or	
United States application number 14	/318,457 filed on <u>June 27, 2014;</u> or
PCT international application number	erfiled on
The above-identified application was made or a	uthorized to be made by me.
I believe that I am the original inventor or an ori application.	ginal joint inventor of a claimed Invention in the
	the above-identified application, and acknowledge the Office all information known to me to be material to the
I hereby acknowledge that any willful false state USC 1001 by fine or imprisonment of not more	ement made in this declaration is punishable under 18 than five (5) years, or both.
Legal name of inventor: GREGORY BRANCI フ/ろ。/ つっくく Date	HEK ROTH Inventor Signature
WITNESSED BY: SO, 20/9/ Date	Witness (Signature) Witness (Printed Name)

Page 4 of 5

U.S. Patent Appln. No. <u>14/318,457</u> Filing Date <u>June 27, 2014</u> Attorney Docket No. <u>0097749-244US0</u> Client Docket No. <u>P15067-US</u>

<u>DECLARATION</u>	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
United States application number 14/318,4	57 filed on <u>June 27, 2014;</u> or
PCT international application number	filed on
The above-identified application was made or authoriz	ed to be made by me.
I believe that I am the original inventor or an original japplication.	oint inventor of a claimed Invention in the
I have reviewed and understand the contents of the abo duty 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 fr Legal name of inventor: ERIC JASON BRANDWIN	ve (5) years, or both.
WITNESSED BY: () () () () () () () (Witness (Brighted Name)

Page 5 of 5

PATENT REEL: 049465 FRAME: 0092

RECORDED: 06/13/2019