505696996 09/27/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5743806

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUAN JOSE CABRERA	09/23/2019
RACHEL SHAERRIE FORD	09/24/2019
MATTHIEU BENOIT HUMEAU	09/23/2019
LI SHAO	09/23/2019
JEREMY JON UNG	09/24/2019

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:	16586594

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	AM2-2788US
NAME OF SUBMITTER:	PAMELA M. PRELLWITZ
SIGNATURE:	/Pamela M. Prellwitz/
DATE SIGNED:	09/27/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT 505696996 REEL: 050527 FRAME: 0149

Total Attachments: 9		
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PATENT REEL: 050527 FRAME: 0150

U.S. Patent Appln. No. <u>16/586,594</u>	Attorney Docket No. AM2-2788US
Filing Date <u>September 27, 2</u> 019	Client Docket No. P66814-US01
PARTIES TO THE ASSIGNMENT	
Assignor(s):	
Juan Jose Cabrera 410 Terry Avenue North Seattle, WA 98109-5210	
Rachel Shaerrie Ford 410 Terry Avenue North Seattle, WA 98109-5210	
Matthieu Benoit Humeau 410 Terry Avenue North Seattle, WA 98109-5210	
Li Shao 410 Terry Avenue North Seattle, WA 98109-5210	
Jeremy Jon Ung 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
"DETECTING AND DIAGNOSING ANOMALIES IN	UTILIZATION LEVELS OF NETWORK-BASED
RESOURCES" (Invention) for which a non-provision	al application for United States Letters Patent
(Application):	
was filed on and accorded	U.S. Application No; or

Page 1 of 9

PATENT REEL: 050527 FRAME: 0151

U.S. Patent Appln. No. 16/586,594

Attorney Docket No. AM2-2788US

Filing Date September 27, 2019

Client Docket No. P66814-US01

Title of Invention: DETECTING AND DIAGNOSING ANOMALIES IN UTILIZATION LEVELS OF NETWORK-BASED RESOURCES

Inventors: Juan Jose Cabrera, Rachel Shaerrie Ford, Matthieu Benoit Humeau, Li Shao, Jeremy Jon Ung,

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 Lee & Hayes, P.C., associated with Customer No. <u>136607</u>, to insert in the header above and here in parentheses (U.S. Patent Application No. <u>16/586,594</u> filed September 27, 2019 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

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U.S. Patent Appln. No. <u>16/586,594</u>

Attorney Docket No. AM2-2788US

Filing Date September 27, 2019

Client Docket No. P66814-US01

Title of Invention: DETECTING AND DIAGNOSING ANOMALIES IN UTILIZATION LEVELS OF

NETWORK-BASED RESOURCES

Inventors: Juan Jose Cabrera, Rachel Shaerrie Ford, Matthieu Benoit Humeau, Li Shao, Jeremy

Jon Ung,

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 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,

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PATENT REEL: 050527 FRAME: 0153

U.S. Patent Appln. No. <u>16/586,594</u>

Attorney Docket No. AM2-2788US

Filing Date September 27, 2019

Client Docket No. P66814-US01

Title of Invention: DETECTING AND DIAGNOSING ANOMALIES IN UTILIZATION LEVELS OF NETWORK-BASED RESOURCES

Inventors: Juan Jose Cabrera, Rachel Shaerrie Ford, Matthieu Benoit Humeau, Li Shao, Jeremy Jon Ung,

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.

U.S. Patent Appln. No. <u>16/586,594</u>	Attorney Docket No. AM2-2788US	
Filing Date September 27, 2019	Client Docket No. P66814-US01	
Title of Invention: DETECTING AND DIAGNOSING ANOMALIES NETWORK-BASED RESOURCES	IN UTILIZATION LEVELS OF	
Inventors: Juan Jose Cabrera, Rachel Shaerrie Ford, Matthieu Jon Ung,	Benoit Humeau, Li Shao, Jeremy	
<u>DECLARATION</u> As a below named inventor, I hereby declare that:		
This declaration is directed to:		
igstyle igytyle igstyle igytyle		
United States Patent Application number	filed on; or	
PCT International Application number	filed on	
The above-identified application was made or authorized to be	oe made by me.	
I believe that I am the original inventor or an original joint invapplication.	ventor of a claimed Invention in the	
I have reviewed and understand the contents of the above-id	entified application, and	
acknowledge the duty to disclose to the US Patent & Tradem	ark 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 i	n this declaration is punishable	
under 18 USC 1001 by fine or imprisonment of not more than	n five (5) years, or both.	
Juan Jose Cabrera Juan Jose Cabrera		
September 23, 2019		
Date		

U.S. Patent Appln. No. <u>16/586,594</u>	Attorney Docket No. AM2-2788US
Filing Date September 27, 2019	Client Docket No. P66814-US01
Title of Invention: DETECTING AND DIAGINETWORK-BASED RESOURCES	NOSING ANOMALIES IN UTILIZATION LEVELS OF
Inventors: Juan Jose Cabrera, Rachel Shae Jon Ung,	errie Ford, Matthieu Benoit Humeau, Li Shao, Jeremy
<u>DECLARATION</u> As a below named inventor, I hereby decla	re that:
This declaration is directed to:	
igstyle igstyle igstyle the attached application; or	
United States Patent Application	on number filed on; or
PCT International Application r	number filed on
The above-identified application was made I believe that I am the original inventor or application.	e or authorized to be made by me. an original joint inventor of a claimed Invention in the
I have reviewed and understand the conte	nts of the above-identified application, and acknowledge
the duty to disclose to the US Patent & Tra	demark 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 18 USC 1001 by fine or imprisonment of no	statement made in this declaration is punishable under ot more than five (5) years, or both.
Pocusigned by: /Kalul Shaumic Ford/ 51553D2507BE40E Rachel Shaerrie Ford September 24, 2019	
Date	

U.S. Patent Appln. No. <u>16/586,594</u>	Attorney Docket No. AM2-2788US
Filing Date <u>September 27, 2</u> 019	Client Docket No. P66814-US01
Title of Invention: DETECTING AND DIAG NETWORK-BASED RESOURCES	NOSING ANOMALIES IN UTILIZATION LEVELS OF
Inventors: Juan Jose Cabrera, Rachel Sha Jon Ung,	errie Ford, Matthieu Benoit Humeau, Li Shao, Jeremy
<u>DECLARATION</u> As a below named inventor, I hereby declaration	ire that:
This declaration is directed to:	
the attached application; or	
United States Patent Applicati	on number filed on; or
PCT International Application	number filed on
The above-identified application was made	e or authorized to be made by me.
I believe that I am the original inventor or application.	an original joint inventor of a claimed Invention in the
I have reviewed and understand the conte	nts of the above-identified application, and acknowledge
the duty to disclose to the US Patent & Tra	demark Office all information known to me to be
material to the patentability as defined in	37 CFR 1.56.
	statement made in this declaration is punishable under
18 USC 1001 by fine or imprisonment of no	ot more than five (5) years, or both.
Matthieu Benoit Humeau/ —923C4A78137949E Matthieu Benoit Humeau	
September 23, 2019	
Date	

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U.S. Patent Appln. No. <u>16/586,594</u>	Attorney Docket No. AM2-2788US
Filing Date <u>September 27, 2</u> 019	Client Docket No. P66814-US01
Title of Invention: DETECTING AND DIAGNETWORK-BASED RESOURCES	NOSING ANOMALIES IN UTILIZATION LEVELS OF
Inventors: Juan Jose Cabrera, Rachel Shadon Ung,	errie Ford, Matthieu Benoit Humeau, Li Shao, Jeremy
<u>DECLARATION</u> As a below named inventor, I hereby declar	ire that:
This declaration is directed to:	
the attached application; or	
United States Patent Application	on number filed on; or
PCT International Application	number filed on
The above-identified application was made	e or authorized to be made by me.
I believe that I am the original inventor or application.	an original joint inventor of a claimed Invention in the
I have reviewed and understand the conte	nts of the above-identified application, and acknowledge
the duty to disclose to the US Patent & Tra	demark 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 no	ot more than five (5) years, or both.
DocuSigned by:	
79BD5C2E54674F7 Li Shao	
September 23, 2019	
Date	

RECORDED: 09/27/2019

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. <u>16/586,594</u>	Attorney Docket No. AM2-2788US
Filing Date September 27, 2019	Client Docket No. P66814-US01
Title of Invention: DETECTING AND DIAGNOSING NETWORK-BASED RESOURCES	ANOMALIES IN UTILIZATION LEVELS OF
Inventors: Juan Jose Cabrera, Rachel Shaerrie Foi Jon Ung,	rd, Matthieu Benoit Humeau, Li Shao, Jeremy
<u>DECLARATION</u> As a below named inventor, I hereby declare that:	
This declaration is directed to:	
igotimes the attached application; or	
United States Patent Application numb	per; or
PCT International Application number	filed on
The above-identified application was made or authors. I believe that I am the original inventor or an original application.	·
I have reviewed and understand the contents of the duty to disclose to the US Patent & Trademark material to the patentability as defined in 37 CFR 1	Office all information known to me to be
I hereby acknowledge that any willful false statement 18 USC 1001 by fine or imprisonment of not more	·
Jeremy Jon Ung September 24, 2019 Date	
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Page 9 of 9