506227242 08/28/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6273986

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALBERT JOHN PENELLO	08/26/2020
OMAR SZE LEUNG	08/20/2020
RAVI ICHAPURAPU	08/20/2020
SAMEET RAMAKRISHNAN	08/20/2020
MARC RANDALL WHITTEN	08/20/2020
EVAN FLETCHER DOUGAL	08/20/2020
MICHAEL RISLEY	08/20/2020
BRIAN FISHER	08/21/2020
DOYLE ALBERT MARTIN	08/20/2020

RECEIVING PARTY DATA

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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:	16202959

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	AM2-2632US
NAME OF SUBMITTER:	SAYBRA MORRIS

506227242 PATENT REEL: 053632 FRAME: 0467

SIGNATURE:	/Saybra Morris/
DATE SIGNED:	08/28/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 12	
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PATENT REEL: 053632 FRAME: 0468

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. <u>16/202,959</u> Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 **PARTIES TO THE ASSIGNMENT** Assignor(s): Albert John Penello **Evan Fletcher Dougal** 410 Terry Avenue North 410 Terry Avenue North Seattle, WA 98109-5210 Seattle, WA 98109-5210 Omar Sze Leung Michael Risley 410 Terry Avenue North 410 Terry Avenue North Seattle, WA 98109-5210 Seattle, WA 98109-5210 Ravi Ichapurapu Brian Fisher 410 Terry Avenue North 410 Terry Avenue North Seattle, WA 98109-5210 Seattle, WA 98109-5210 Sameet Ramakrishnan **Doyle Albert Martin** 410 Terry Avenue North 410 Terry Avenue North Seattle, WA 98109-5210 Seattle, WA 98109-5210 Marc Randall Whitten 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 "SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS" (Invention) for which a nonprovisional application for United States Letters Patent (Application): was filed on November 28, 2018 and accorded U.S. Application No. 16/202,959; or

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

for recordation.

will be filed concurrently with the submission of this executed PATENT ASSIGNMENT

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. <u>16/202,959</u>

Attorney Docket No. AM2-2632US

Filing Date November 28, 2018

Client Docket No. P61089-US02

Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS

Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc

Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin

Lee & Hayes, PLLC, associated with Customer No. 136607, to insert in the header above and here

in parentheses (U.S. Patent Application No. 16/202,959, filed November 28, 2018) 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, 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

Page 2 of 12

PATENT **REEL: 053632 FRAME: 0470** PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/202,959

Attorney Docket No. AM2-2632US

Filing Date November 28, 2018

Client Docket No. P61089-US02

Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS

Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc

Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin

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,

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.

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PATENT

REEL: 053632 FRAME: 0471

August 26, 2020

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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: Albert John Penello

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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: 10mar Sze leung/ ----9D49559F41B24B8...

Omar Sze Leung

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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: Mani Idrapurapu Ravi Ichapurapu

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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: Sameet Ramakrishman/ Sameet Ramakrishnan

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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.

Marc Randall Whitten/
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Marc Randall Whitten

August 20, 2020

Date

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Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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. /Evan Fletcher Dougal/ **Evan Fletcher Dougal**

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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. ~DocuSianed by: Michael Risley

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August 21, 2020

Date

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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: /Brian Fisher/ ~290B31F7FF4F43B **Brian Fisher**

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63) U.S. Patent Appln. No. 16/202,959 Attorney Docket No. AM2-2632US Filing Date November 28, 2018 Client Docket No. P61089-US02 Title of Invention: SYSTEMS AND DEVICES FOR CONTROLLING NETWORK APPLICATIONS Inventors: Albert John Penello, Omar Sze Leung, Ravi Ichapurapu, Sameet Ramakrishnan, Marc Randall Whitten, Evan Fletcher Dougal, Michael Risley, Brian Fisher, Doyle Albert Martin DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/202,959 filed on November 28, 2018; 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: **Dovle Albert Martin**

August 20, 2020

Date

RECORDED: 08/28/2020

Page 12 of 12