505393595 03/26/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5440389

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JACOB ADAM GABRIELSON	03/18/2019
JOSHUA MARC BURGIN	03/20/2019
BRAD BONNETT	03/22/2019
KAI FAN TANG	03/20/2019

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:	16362545

CORRESPONDENCE DATA

Fax Number: (408)675-0442

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: 408-675-0441 Email: suzy@ndwe.com

Correspondent Name: NICHOLSON DE VOS WEBSTER & ELLIOTT LLP

Address Line 1: 99 ALMADEN BLVD., STE. 710
Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:	1030P64055US	
NAME OF SUBMITTER:	ERIC L. SELLARS	
SIGNATURE:	/EricLSellars/	
DATE SIGNED:	03/26/2019	

Total Attachments: 7

source=P64055-US01 (1030P64055US) - Assignment and Declaration#page1.tif source=P64055-US01 (1030P64055US) - Assignment and Declaration#page2.tif source=P64055-US01 (1030P64055US) - Assignment and Declaration#page3.tif

PATENT 505393595 REEL: 048699 FRAME: 0140

source=P64055-US01 (1030P64055US) - Assignment and Declaration#page4.tif source=P64055-US01 (1030P64055US) - Assignment and Declaration#page5.tif source=P64055-US01 (1030P64055US) - Assignment and Declaration#page6.tif source=P64055-US01 (1030P64055US) - Assignment and Declaration#page7.tif

U.S. Patent Appln. No. <u>16/362,545</u> Attorney Docket No. 1030P64055US Filing Date 3/22/2019 Client Docket No. P64055-US01 PARTIES TO THE ASSIGNMENT Assignor(s): Jacob Adam Gabrielson 410 Terry Avenue North Seattle, WA 98109-5210 Joshua Marc Burgin 410 Terry Avenue North Seattle, WA 98109-5210 **Brad Bonnett** 410 Terry Avenue North Seattle, WA 98109-5210 Kai Fan Tang 410 Terry Avenue North Seattle, WA 98109-5210 Assignee: Amazon Technologies, Inc. PO Box 81226 Seattle, WA 98108-1226 <u>AGREEMENT</u> WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "COORDINATED PREDICTIVE AUTOSCALING OF VIRTUALIZED RESOURCE GROUPS" (Invention) for which a non-provisional application for United States Letters Patent (Application): was filed on ______ and accorded U.S. Application No. _____; 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.S. Patent Appln. No. 16/362,545

Attorney Docket No. 1030P64055US

Filing Date 3/22/2019

Client Docket No. P64055-US01

Title of Invention: COORDINATED PREDICTIVE AUTOSCALING OF VIRTUALIZED RESOURCE GROUPS

Inventors: Jacob Adam Gabrielson, Joshua Marc Burgin, Brad Bonnett, Kai Fan Tang

Nicholson Devos Webster & Elliott LLP, associated with Customer No. 148241, to insert in the

header above and here in parentheses (U.S. Patent Application No. 16/362,545, filed

3/22/2019) 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

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 7

U.S. Patent Appln. No. _____

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. 1030P64055US

Filing Date _____ Client Docket No. <u>P64055-US01</u>

Title of Invention: COORDINATED PREDICTIVE AUTOSCALING OF VIRTUALIZED RESOURCE GROUPS

Inventors: Jacob Adam Gabrielson, Joshua Marc Burgin, Brad Bonnett, Kai Fan Tang

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.

Page 3 of 7

U.S. Patent Appln. No	Attorney Docket No. <u>1030P64055US</u>
Filing Date	Client Docket No. <u>P64055-US01</u>
Title of Invention: COORDINATED PREDIC	TIVE AUTOSCALING OF VIRTUALIZED RESOURCE GROUPS
Inventors: Jacob Adam Gabrielson, Joshu	ua Marc Burgin, Brad Bonnett, Kai Fan Tang
<u>DECLARATION</u> As a below named inventor, I hereby dec	lare that:
This declaration is directed to:	
the attached application; or	
United States Patent Applicat	ion number; or
PCT International Application	number filed on
The above-identified application was made	de or authorized to be made by me.
I believe that I am the original inventor o application.	r an original joint inventor of a claimed Invention in the
I have reviewed and understand the cont	ents of the above-identified application, and
acknowledge the duty to disclose to the U	JS Patent & Trademark Office all information known to
me to be material to the patentability as	defined in 37 CFR 1.56.
	se statement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonme	ent of not more than five (5) years, or both.
Docusigned by: / Jacob Idam Gabriclson/	
Jacob Adam Gabrielson	
March 18, 2019	
Date	

Filing Date Client Docket No. P64055-US01 Title of Invention: COORDINATED PREDICTIVE AUTOSCALING OF VIRTUALIZED RESOURCE GROUPS Inventors: Jacob Adam Gabrielson, Joshua Marc Burgin, Brad Bonnett, Kai Fan Tang DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to:	U.S. Patent Appln. No	Attorney Docket No. <u>1030P64055US</u>
Inventors: Jacob Adam Gabrielson, Joshua Marc Burgin, Brad Bonnett, Kai Fan Tang DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on; or PCT International Application number filed on; or PCT International 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. Documber of the Declaration of the De	Filing Date	Client Docket No. P64055-US01
As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number filed on; or PCT International Application number filed on; or 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. Documentary Burgin Documentary Burgin	Title of Invention: COORDINATED PREDICTIVE AUTOSCA	LING OF VIRTUALIZED RESOURCE GROUPS
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This declaration is directed to: the attached application; or United States Patent Application number	DECLARATION	
United States Patent Application number	As a below named inventor, I hereby declare that:	
United States Patent Application number	This declaration is directed to:	
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: / John Marc Burgin/ 107886A1EAA7484 Joshua Marc Burgin March 20, 2019	igstyle igytyle igstyle igytyle	
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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: //Silva Marc Burgin/ Joshua Marc Burgin March 20, 2019	PCT International Application number	filed on
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Joshua Marc Burgin/ 1078B6A1EAA7484 Joshua Marc Burgin March 20, 2019	I hereby acknowledge that any willful false statement r	made in this declaration is punishable
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Joshua Marc Burgin/ 107BB6A1EAA7484 Joshua Marc Burgin March 20, 2019	PocuSigned by:	
Joshua Marc Burgin March 20, 2019	<i>(</i>	
March 20, 2019	107BBGA1EAA7484	
	Joshua Marc Burgin	
	March 20, 2019	

U.S. Patent Appln. No	Attorney Docket No. <u>1030P64055US</u>
Filing Date	Client Docket No. P64055-US01
Title of Invention: COORDINATED PREDICTIVE A	UTOSCALING OF VIRTUALIZED RESOURCE GROUPS
Inventors: Jacob Adam Gabrielson, Joshua Ma	rc Burgin, Brad Bonnett, Kai Fan Tang
DECLARATION	
As a below named inventor, I hereby declare the	nat:
This declaration is directed to:	
the attached application; or	
United States Patent Application no	ımber; or
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I hereby acknowledge that any willful false stat	ement 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: 1Brad Bownett	
524D5CDBD8004C6	
Dural Danie att	
Brad Bonnett	
March 22, 2019	
Date	

U.S. Patent Appln. No.		Attorney Docket No. 1030P64055U
Filing Date		Client Docket No. <u>P64055-US0</u>
Title of Invention: COORDINATED PREDIC	TIVE AUTOSCALING	G OF VIRTUALIZED RESOURCE GROUPS
Inventors: Jacob Adam Gabrielson, Josh	ua Marc Burgin, Bı	rad Bonnett, Kai Fan Tang
<u>DECLARATION</u>		
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/kai Fan Tang/		
75-DEC1B5A131445		
Mai San Sana		
Kai Fan Tang		
March 20, 2019		
Date		

Page 7 of 7