PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7242921

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AKSHAT VIG	06/24/2020
SOMASUNDARAM PERIANAYAGAM	06/22/2020
ARIJIT CHOUDHURY	06/22/2020
OREN YOSSEF	03/23/2022
SHITANSHU AGGARWAL	06/22/2020
SHARATKUMAR NAGESH KUPPAHALLY	06/23/2020
YANG NAN	06/25/2020
ARTURO HINOJOSA	06/22/2020
MARK ROPER	06/29/2020
WEN HAN ALBERT HUANG	06/22/2020
SUDHIR KONDURU	06/22/2020
ALEXANDER RICHARD KEYES	06/24/2020

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:	16915854

CORRESPONDENCE DATA

Fax Number: (512)853-8801

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: 512-853-8800

Email: mmoffitt@intprop.com **Correspondent Name:** ROBERT C. KOWERT

Address Line 1: 1120 S. CAPITAL OF TEXAS HWY

Address Line 2: BUILDING 2, SUITE 300

PATENT REEL: 059389 FRAME: 0554

507196071

Address Line 4: AUSTIN, TEXAS 78746	
ATTORNEY DOCKET NUMBER:	7924-15200
NAME OF SUBMITTER:	ROBERT C. KOWERT
SIGNATURE:	/Robert C. Kowert/
DATE SIGNED:	03/24/2022

Total Attachments: 16

source=P69845-US01-Assignment-executed#page1.tif source=P69845-US01-Assignment-executed#page2.tif source=P69845-US01-Assignment-executed#page3.tif source=P69845-US01-Assignment-executed#page4.tif source=P69845-US01-Assignment-executed#page5.tif source=P69845-US01-Assignment-executed#page6.tif source=P69845-US01-Assignment-executed#page7.tif source=P69845-US01-Assignment-executed#page8.tif source=P69845-US01-Assignment-executed#page9.tif source=P69845-US01-Assignment-executed#page10.tif source=P69845-US01-Assignment-executed#page11.tif source=P69845-US01-Assignment-executed#page12.tif source=P69845-US01-Assignment-executed#page13.tif source=P69845-US01-Assignment-executed#page14.tif source=P69845-US01-Assignment-executed#page15.tif source=P69845-US01-Assignment-executed#page16.tif

> PATENT REEL: 059389 FRAME: 0555

S. Patent Appln. No Attorney Docket No. 7924-15			
Filing Date	Client Docket No. P69845-US0		
PARTIES TO THE ASSIGNMENT			
Assignor(s):			
Akshat Vig	Yang Nan		
410 Terry Avenue North	410 Terry Avenue North		
Seattle, WA 98109-5210	Seattle, WA 98109-5210		
Canada da na Paria da na casa	Automa Ilimaiaaa		
Somasundaram Perianayagam	Arturo Hinojosa		
410 Terry Avenue North	410 Terry Avenue North		
Seattle, WA 98109-5210	Seattle, WA 98109-5210		
Arijit Choudhury	Mark Roper		
410 Terry Avenue North	410 Terry Avenue North		
Seattle, WA 98109-5210	Seattle, WA 98109-5210		
Oren Yossef	Wen Han Albert Huang		
410 Terry Avenue North	410 Terry Avenue North		
Seattle, WA 98109-5210	Seattle, WA 98109-5210		
Shitanshu Aggarwal	Sudhir Konduru		
410 Terry Avenue North	410 Terry Avenue North		
Seattle, WA 98109-5210	Seattle, WA 98109-5210		
Charatkumar Nagach Kunnahallu	Alexander Bishard Koves		
Sharatkumar Nagesh Kuppahally	Alexander Richard Keyes 410 Terry Avenue North		
410 Terry Avenue North Seattle, WA 98109-5210	•		
Seattle, WA 98109-5210	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		
WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled			
"CAPACITY MANAGEMENT FOR GLOBAL RESOURCES" (Invention) for which a non-provisional			
application for United States Letters Patent (Application):			
was filed on and accorded U.S. Application No; or			

Page 1 of 16 PATE

U.S. Patent Appln. No	Attorney Docket No. 7924-15200
Filing Date	Client Docket No. P69845-US01

Title of Invention: CAPACITY MANAGEMENT FOR GLOBAL RESOURCES

Inventors: Akshat Vig, Somasundaram Perianayagam, Arijit Choudhury, Oren Yossef, Shitanshu Aggarwal, Sharatkumar Nagesh Kuppahally, Yang Nan, Arturo Hinojosa, Mark Roper, Wen Han Albert Huang, Sudhir Konduru, Alexander Richard Keyes,

\boxtimes	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 Kowert, Hood, Munyon, Rankin & Goetzel, P.C., associated with
	Customer No. 136594, to insert in the header above and here in parentheses (U.S.
	Patent Application No, filed) 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,

Page 2 of 16

U.S. Patent Appln. No. _____ Filing Date

Attorney Docket No. 7924-15200 Client Docket No. P69845-US01

Title of Invention: CAPACITY MANAGEMENT FOR GLOBAL RESOURCES

Inventors: Akshat Vig, Somasundaram Perianayagam, Arijit Choudhury, Oren Yossef, Shitanshu Aggarwal, Sharatkumar Nagesh Kuppahally, Yang Nan, Arturo Hinojosa, Mark Roper, Wen Han

Albert Huang, Sudhir Konduru, Alexander Richard Keyes,

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,

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

Page 3 of 16

PATENT **REEL: 059389 FRAME: 0558**

U.S. Patent Appln. No Filing Date	Attorney Docket No. 7924-15200 Client Docket No. P69845-US01
Title of Invention: CAPACITY MANAGEMENT FOR GLOBAL RESO	OURCES
Inventors: Akshat Vig, Somasundaram Perianayagam, Arijit C Aggarwal, Sharatkumar Nagesh Kuppahally, Yang Nan, Arturo Albert Huang, Sudhir Konduru, Alexander Richard Keyes,	
and enforce proper patent protection for the Invention in a	Il countries. These provisions are
binding upon ASSIGNOR's heirs, legal representatives, adminis	strators, and assigns.

U.S. Patent Appin. No Filing Date		Attorney Docket Client Docket N	: No. 7924-1520 No. P69845-USO:
Title of Invention: CAPACITY MANAGEME	ENT FOR GLOBAL	RESOURCES	
Inventors: Akshat Vig, Somasundaram P Aggarwal, Sharatkumar Nagesh Kuppaha Albert Huang, Sudhir Konduru, Alexande	lly, Yang Nan, Ar	-	
DECLARATION As a below named inventor, I hereby dec	lare that:		
This declaration is directed to:			
igstyle igstyle igstyle the attached application; or			
United States Patent Applicat	ion number	filed on	; or
PCT International Application	number	filed on	·
The above-identified application was ma	de or authorized	to be made by me.	
I believe that I am the original inventor o application.	r an original joint	t inventor of a claimed	Invention in the
I have reviewed and understand the cont acknowledge the duty to disclose to the		• •	
me to be material to the patentability as			iation known to
I hereby acknowledge that any willful fals under 18 USC 1001 by fine or imprisonm			•
سسم DocuSigned by:			
1akshat Vig1			
Akshat Vig			
June 24, 2020			
Date			

U.S. Patent Appin. No Filing Date			t No. 7924-15200 No. P69845-US01
Title of Invention: CAPACITY MANAGEME	NT FOR GLOBA	L RESOURCES	
Inventors: Akshat Vig, Somasundaram P Aggarwal, Sharatkumar Nagesh Kuppaha Albert Huang, Sudhir Konduru, Alexande	lly, Yang Nan, A	arturo Hinojosa, Mark I	
DECLARATION As a below named inventor, I hereby decla	ire that:		
This declaration is directed to:			
igoremsiz 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	e or authorized t	to be made by me.	
I believe that I am the original inventor or a	an original joint	inventor of a claimed Inv	vention in the
I have reviewed and understand the conte	nts of the above	e-identified application, a	and acknowledge
the duty to disclose to the US Patent & Tra	idemark Office a	ll information known to	me to be
material to the patentability as defined in 3	37 CFR 1.56.		
I hereby acknowledge that any willful false	e statement mad	le in this declaration is p	unishable under
18 USC 1001 by fine or imprisonment of no	ot more than five	e (5) years, or both.	
DocuSigned by:			
/Somasundaram Perianayagam/			
Somasundaram Perianayagam			
June 22, 2020			
Date			

J.S. Patent Appin. No Filing Date			et No. 7924-15200 No. P69845-US01
Title of Invention: CAPACITY MANAGEME	NT FOR GLOBA	L RESOURCES	
nventors: Akshat Vig, Somasundaram P Aggarwal, Sharatkumar Nagesh Kuppahal Albert Huang, Sudhir Konduru, Alexande	lly, Yang Nan, A	arturo Hinojosa, Mark	
<u>DECLARATION</u> As a below named inventor, I hereby decla	re that:		
This declaration is directed to:			
igotimes the attached application; or			
United States Patent Application	on number	filed on	; or
PCT International Application r	number	filed on	<u>_</u> ·
The above-identified application was made believe that I am the original inventor or application.		,	nvention in the
have reviewed and understand the conte the duty to disclose to the US Patent & Tra material to the patentability as defined in 3	demark Office a	••	_
hereby acknowledge that any willful false		·	ounishable under
Docusigned by: /Aright Choudhury/			
Arijit Choudhury			
June 22, 2020			
Date			

J.S. Patent Appin. No Filing Date			et No. 7924-15200 : No. P69845-US01
Title of Invention: CAPACITY MANAGEME	NT FOR GLOBA	L RESOURCES	
nventors: Akshat Vig, Somasundaram Po Aggarwal, Sharatkumar Nagesh Kuppahal Albert Huang, Sudhir Konduru, Alexande	ly, Yang Nan, A	arturo Hinojosa, Mark	
DECLARATION As a below named inventor, I hereby decla	re that:		
This declaration is directed to:			
igotimes 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 believe that I am the original inventor or a application.		·	nvention in the
have reviewed and understand the content the duty to disclose to the US Patent & Tra material to the patentability as defined in 3	demark Office a	••	_
hereby acknowledge that any willful false 18 USC 1001 by fine or imprisonment of no		·	punishable under
4.7			
Oren Yossef			
3/23/2022			
Date			

J.S. Patent Appln. No Filing Date	Attorney Docket No. 7924-15200 Client Docket No. P69845-US01
Fitle of Invention: CAPACITY MANAGEMENT FOR GLOBAL	RESOURCES
nventors: Akshat Vig, Somasundaram Perianayagam, Ari Aggarwal, Sharatkumar Nagesh Kuppahally, Yang Nan, Art Albert Huang, Sudhir Konduru, Alexander Richard Keyes,	
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
The above-identified application was made or authorized to	be made by me.
believe that I am the original inventor or an original joint in	ventor of a claimed Invention in the
application.	
have reviewed and understand the contents of the above-i	
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.	
horaby asknowledge that any willful false statement made	in this declaration is punishable under
hereby acknowledge that any willful false statement made 18 USC 1001 by fine or imprisonment of not more than five	•
18 OSC 1001 by line of imprisoriment of not more than live	(3) years, or both.
········DocuSigned by:	
/Shitanshu Aggarwal/	
Shitanshu Aggarwal	
June 22, 2020	
Date	

U.S. Patent Appln. No Filing Date			t No. 7924-15200 No. P69845-US01
Title of Invention: CAPACITY MANAGEME	ENT FOR GLOBAL	RESOURCES	
Inventors: Akshat Vig, Somasundaram P Aggarwal, Sharatkumar Nagesh Kuppaha Albert Huang, Sudhir Konduru, Alexande	lly, Yang Nan, A	rturo Hinojosa, Mark I	
DECLARATION As a below named inventor, I hereby decla	are that:		
This declaration is directed to:			
igotimes 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	e or authorized to	o be made by me.	
I believe that I am the original inventor or a	an original joint i	nventor of a claimed Inv	vention in the
I have reviewed and understand the conte	nts of the above	-identified application, a	and acknowledge
the duty to disclose to the US Patent & Tra	idemark Office a	ll information known to	me to be
material to the patentability as defined in 3	37 CFR 1.56.		
I hereby acknowledge that any willful false	e statement mad	e in this declaration is p	unishable under
18 USC 1001 by fine or imprisonment of no	ot more than five	e (5) years, or both.	
DocuSigned by:			
/Sharatkumar Nagesh kuppahally/			
Sharatkumar Nagesh Kuppahally			
June 23, 2020			
Date			

J.S. Patent Appin. No Filing Date			et No. 7924-15200 No. P69845-US01
Title of Invention: CAPACITY MANAGEME	NT FOR GLOBA	L RESOURCES	
nventors: Akshat Vig, Somasundaram Po Aggarwal, Sharatkumar Nagesh Kuppahal Albert Huang, Sudhir Konduru, Alexande	lly, Yang Nan, A	arturo Hinojosa, Mark	
DECLARATION As a below named inventor, I hereby decla	re that:		
This declaration is directed to:			
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 believe that I am the original inventor or a application.		,	nvention in the
have reviewed and understand the conte the duty to disclose to the US Patent & Tra material to the patentability as defined in 3	demark Office a	••	_
hereby acknowledge that any willful false 18 USC 1001 by fine or imprisonment of no		·	ounishable under
DocuSigned by:			
/Yang Nan/			
Yang Nan			
June 25, 2020			
Date			

U.S. Patent Appin. No Filing Date			et No. 7924-15200 No. P69845-US01
Title of Invention: CAPACITY MANAGEME	NT FOR GLOBA	L RESOURCES	
Inventors: Akshat Vig, Somasundaram P Aggarwal, Sharatkumar Nagesh Kuppahal Albert Huang, Sudhir Konduru, Alexande	lly, Yang Nan, A	arturo Hinojosa, Mark	
DECLARATION As a below named inventor, I hereby decla	ire that:		
This declaration is directed to:			
igotimes the attached application; or			
United States Patent Application	on number	filed on	; or
PCT International Application r	number	filed on	<u>_</u> ·
The above-identified application was made	e or authorized t	o be made by me.	
I believe that I am the original inventor or a application.	an original joint i	inventor of a claimed Ir	nvention in the
I have reviewed and understand the conte	nts of the above	e-identified application,	and acknowledge
the duty to disclose to the US Patent & Tra	demark Office a	ll information known to	o me to be
material to the patentability as defined in 3	37 CFR 1.56.		
I hereby acknowledge that any willful false	statement mad	e in this declaration is p	ounishable under
18 USC 1001 by fine or imprisonment of no	ot more than five	e (5) years, or both.	
DocuSigned by:			
/arturo Hinogosa/			
Arturo Hinojosa			
June 22, 2020			
Date			

U.S. Patent Appln. No Filing Date		Attorney Docket No. Client Docket No. F	
Title of Invention: CAPACITY MANAGEM	ENT FOR GLOBA	L RESOURCES	
Inventors: Akshat Vig, Somasundaram F Aggarwal, Sharatkumar Nagesh Kuppaha Albert Huang, Sudhir Konduru, Alexanda	ally, Yang Nan, A	Arturo Hinojosa, Mark Rope	
DECLARATION As a below named inventor, I hereby decl	are that:		
This declaration is directed to:			
igstyle igstyle igstyle the attached application; or			
United States Patent Application	ion number	filed on	; or
PCT International Application	number	filed on	
The above-identified application was mad	le or authorized t	to be made by me.	
I believe that I am the original inventor or application.	an original joint	inventor of a claimed Inventi	on in the
I have reviewed and understand the conte	ents of the above	e-identified application, and a	ncknowledge
the duty to disclose to the US Patent & Tra	ademark Office a	all information known to me t	o be
material to the patentability as defined in	37 CFR 1.56.		
I hereby acknowledge that any willful falso	e statement mad	le in this declaration is punish	nable under
18 USC 1001 by fine or imprisonment of n	ot more than five	e (5) years, or both.	
سسد.DocuSigned by:			
Mark Roper/			
Mark Roper			
June 29, 2020			
Date	-		

J.S. Patent Appln. No Filing Date	Attorney Docket No. 7924-15200 Client Docket No. P69845-US01
Fitle of Invention: CAPACITY MANAGEMENT FOR G	
nventors: Akshat Vig, Somasundaram Perianayag Aggarwal, Sharatkumar Nagesh Kuppahally, Yang I Albert Huang, Sudhir Konduru, Alexander Richard	gam, Arijit Choudhury, Oren Yossef, Shitanshu Nan, Arturo Hinojosa, Mark Roper, Wen Han
DECLARATION As a below named inventor, I hereby declare that:	
This declaration is directed to:	
igstyle the attached application; or	
United States Patent Application number	r; or
PCT International Application number _	filed on
The above-identified application was made or autho believe that I am the original inventor or an origina	•
application.	
have reviewed and understand the contents of the the duty to disclose to the US Patent & Trademark Omaterial to the patentability as defined in 37 CFR 1.5	office all information known to me to be
hereby acknowledge that any willful false statemer 18 USC 1001 by fine or imprisonment of not more th	·
Docusigned by: /Wen Han albert Huang	
Wen Han Albert Huang	
June 22, 2020	
Date	

Title of Invention: CAPACITY MANAGEMENT FOR GLOBAL RESOURCES Inventors: Akshat Vig, Somasundaram Perianayagam, Arijit Choudhury, Orer Aggarwal, Sharatkumar Nagesh Kuppahally, Yang Nan, Arturo Hinojosa, Mark	
Aggarwal, Sharatkumar Nagesh Kuppahally, Yang Nan, Arturo Hinojosa, Mark	
Albert Huang, Sudhir Konduru, Alexander Richard Keyes,	
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	·
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 application.	Invention in the
I have reviewed and understand the contents of the above-identified application the duty to disclose to the US Patent & Trademark Office all information known to the material to the patentability as defined in 37 CFR 1.56.	-
I hereby acknowledge that any willful false statement made in this declaration is 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.	punishable under
/Sudlin Fonduru	
Sudhir Konduru	
June 22, 2020	
Date	

U.S. Patent Appin. No Filing Date			et No. 7924-15200 No. P69845-US01
Title of Invention: CAPACITY MANAGEME	NT FOR GLOBA	L RESOURCES	
Inventors: Akshat Vig, Somasundaram P Aggarwal, Sharatkumar Nagesh Kuppahal Albert Huang, Sudhir Konduru, Alexande	lly, Yang Nan, A	arturo Hinojosa, Mark	
DECLARATION As a below named inventor, I hereby decla	re that:		
This declaration is directed to:			
igotimes the attached application; or			
United States Patent Application	on number	filed on	; or
PCT International Application r	number	filed on	<u>_</u> ·
The above-identified application was made I believe that I am the original inventor or a		·	ovention in the
I have reviewed and understand the conte the duty to disclose to the US Patent & Tra material to the patentability as defined in 3	demark Office a	• •	_
I hereby acknowledge that any willful false 18 USC 1001 by fine or imprisonment of no		•	ounishable under
Docusigned by: / Alexander Richard Leyes/			
Alexander Richard Keyes			
June 24, 2020			
Date			

Page 16 of 16

PATENT REEL: 059389 FRAME: 0571

RECORDED: 03/24/2022