506227294 08/28/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6274038

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZEYA CHEN	08/20/2020
CHARLES EDWIN ASHTON BRETT	08/20/2020
JAY PATEL	08/26/2020
LIZHEN PENG	08/26/2020
ANIRUDDHA BASAK	08/24/2020
HONGYANG WANG	08/20/2020
SARA HILLENMEYER	08/20/2020
YUNFENG JIANG	08/20/2020
SVEN EBERHARDT	08/20/2020
AKSHAY KUMAR	08/20/2020
WILLIAM EVAN WELBOURNE	08/20/2020

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:	16052546

CORRESPONDENCE DATA

Fax Number: (509)323-8979

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.

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Email: saybram@leehayes.com
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Address Line 2: SUITE 1400

Address Line 4: SPOKANE, WASHINGTON 99201

PATENT 506227294 REEL: 053632 FRAME: 0736

ATTORNEY DOCKET NUMBER:	AM2-2595US
NAME OF SUBMITTER:	SAYBRA MORRIS
SIGNATURE:	/Saybra Morris/
DATE SIGNED:	08/28/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 15	
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PATENT REEL: 053632 FRAME: 0737

U.S. Patent Appln. No. <u>16/052,546</u> Attorney Docket No. <u>AM2-2595US</u>

Filing Date August 1, 2018 Client Docket No. P46700-US01

PARTIES TO THE ASSIGNMENT

Assignor(s):

Zeya Chen

410 Terry Avenue North Seattle, WA 98109-5210

Charles Edwin Ashton Brett

410 Terry Avenue North Seattle, WA 98109-5210

Jay Patel

410 Terry Avenue North Seattle, WA 98109-5210

Lizhen Peng

410 Terry Avenue North Seattle, WA 98109-5210

Aniruddha Basak

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

"INTELLIGENT DEVICE GROUPING" (Invention) for which a non-provisional application for United

States Letters Patent (Application):

was filed on August 1, 2018 and accorded U.S. Application No. 16/052,546; or

Hongyang Wang

410 Terry Avenue North Seattle, WA 98109-5210

Sara Hillenmeyer

410 Terry Avenue North Seattle, WA 98109-5210

Yunfeng Jiang

410 Terry Avenue North Seattle, WA 98109-5210

Sven Eberhardt

410 Terry Avenue North Seattle, WA 98109-5210

Akshay Kumar

410 Terry Avenue North Seattle, WA 98109-5210

William Evan Welbourne

410 Terry Avenue North Seattle, WA 98109-5210

Page 1 of 15

U.S. Patent Appln. No. 16/052,546

Attorney Docket No. AM2-2595US

Filing Date August 1, 2018

Client Docket No. P46700-US01

Title of Invention: INTELLIGENT DEVICE GROUPING

Inventors: Zeva Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William

Evan Welbourne

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

in parentheses (U.S. Patent Application No. 16/052,546, filed August 1, 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

Page 2 of 15

PATENT **REEL: 053632 FRAME: 0739**

U.S. Patent Appln. No. 16/052,546

Attorney Docket No. AM2-2595US

Filing Date August 1, 2018

Client Docket No. P46700-US01

Title of Invention: INTELLIGENT DEVICE GROUPING

Inventors: Zeva Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William

Evan Welbourne

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,

Page 3 of 15

PATENT

REEL: 053632 FRAME: 0740

U.S. Patent Appln. No. 16/052,546

Attorney Docket No. AM2-2595US

Filing Date August 1, 2018

Client Docket No. P46700-US01

Title of Invention: INTELLIGENT DEVICE GROUPING

Inventors: Zeya Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William Evan Welbourne

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. 16/052,546 Attorney Docket No. AM2-2595US Filing Date August 1, 2018 Client Docket No. P46700-US01 Title of Invention: INTELLIGENT DEVICE GROUPING Inventors: Zeva Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William Evan Welbourne **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/052,546 filed on August 1, 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: Peya (hun) -812B0F77DA9D4B2... Zeya Chen August 20, 2020 Date

U.S. Patent Appin. No. <u>16/US2,546</u>	Attorney Docket No. <u>AM2-2595US</u>
Filing Date <u>August 1, 2018</u>	Client Docket No. P46700-US01
Title of Invention: <u>INTELLIGENT DEVICE G</u>	ROUPING
	ton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, eng Jiang, Sven Eberhardt, Akshay Kumar, William
DECLARATION	
As a below named inventor, I hereby dec	are that:
This declaration is directed to:	
the attached application; or	
United States Patent Applicat	ion number <u>16/052,546</u> filed on <u>August 1, 2018</u> ; or
PCT International Application	number filed on
The above-identified application was made of the latter of	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.
	e statement made in this declaration is punishable ent of not more than five (5) years, or both.
Charles Edwin Ashton Brett	
August 20, 2020 Date	

U.S. Patent Appln. No. <u>16/052,546</u>	Attorney Docket No. <u>AM2-2595US</u>
Filing Date <u>August 1, 2018</u>	Client Docket No. <u>P46700-US01</u>
Title of Invention: INTELLIGENT DEVICE GI	ROUPING
· · · · · · · · · · · · · · · · · · ·	on Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, eng Jiang, Sven Eberhardt, Akshay Kumar, William
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The above-identified application was mad 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
	ents of the above-identified application, and S Patent & Trademark Office all information known to lefined in 37 CFR 1.56.
	e statement made in this declaration is punishable nt of not more than five (5) years, or both.
August 26, 2020 Date	

U.S. Patent Appln. No. 16/052,546 Attorney Docket No. AM2-2595US Filing Date August 1, 2018 Client Docket No. P46700-US01 Title of Invention: INTELLIGENT DEVICE GROUPING Inventors: Zeva Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William Evan Welbourne **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/052,546 filed on August 1, 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. Lighen Peng/ ~9C6AD87257574E9. Lizhen Peng August 26, 2020 Date

U.S. Patent Appln. No. <u>16/052,546</u>	Attorney Docket No. AM2-2595US
Filing Date <u>August 1, 2018</u>	Client Docket No. <u>P46700-US01</u>
Title of Invention: <u>INTELLIGENT DEVICE G</u>	<u>ROUPING</u>
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The above-identified application was made of the last of the last last the original inventor of application.	an original joint inventor of a claimed Invention in the
	ents of the above-identified application, and JS Patent & Trademark Office all information known to
I hereby acknowledge that any willful fals	e statement made in this declaration is punishable ent of not more than five (5) years, or both.
Date	
Date	

U.S. Patent Appin. No. <u>16/052,546</u>	Attorney Docket No. <u>AM2-2595US</u>
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	e statement made in this declaration is punishable ent of not more than five (5) years, or both.
DocuSigned by:	* * * * * * * * * * * * * * * * * * * *
(Hongyang Wang/	
Hongyang Wang	
August 20, 2020	
Date	

U.S. Patent Appln. No. <u>16/052,546</u>	Attorney Docket No. <u>AM2-2595US</u>
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, , , , , , , , , , , , , , , , , , , ,	e statement made in this declaration is punishable nt of not more than five (5) years, or both.
,	
August 20, 2020	
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U.S. Patent Appln. No. 16/052,546 Attorney Docket No. AM2-2595US Filing Date August 1, 2018 Client Docket No. P46700-US01 Title of Invention: INTELLIGENT DEVICE GROUPING Inventors: Zeva Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William **Evan Welbourne DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/052,546 filed on August 1, 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. /Yunteng Jiang/ Yunfeng Jiang August 20, 2020 Date

U.S. Patent Appln. No. 16/052,546 Attorney Docket No. AM2-2595US Filing Date August 1, 2018 Client Docket No. P46700-US01 Title of Invention: INTELLIGENT DEVICE GROUPING Inventors: Zeva Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William Evan Welbourne **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/052,546 filed on August 1, 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: /Sun Eberhardt/ ---87A35C99B7EF4EF.. Sven Eberhardt August 20, 2020 Date

U.S. Patent Appin. No. <u>16/052,546</u>	Attorney Docket No. AMI2-2595US
Filing Date <u>August 1, 2018</u>	Client Docket No. <u>P46700-US01</u>
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August 20, 2020	
ar to title	

RECORDED: 08/28/2020

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

Attorney Docket No. AM2-2595US U.S. Patent Appln. No. 16/052,546 Filing Date August 1, 2018 Client Docket No. P46700-US01 Title of Invention: INTELLIGENT DEVICE GROUPING Inventors: Zeva Chen, Charles Edwin Ashton Brett, Jay Patel, Lizhen Peng, Aniruddha Basak, Hongyang Wang, Sara Hillenmeyer, Yunfeng Jiang, Sven Eberhardt, Akshay Kumar, William Evan Welbourne **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 16/052,546 filed on August 1, 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: William Fran Welbournes 568E48ADDCD046D... William Evan Welbourne August 20, 2020 Date

Page 15 of 15