505316706 02/06/2019

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------------|----------------|
| TIMOTHY STALLMAN | 10/07/2017 |
| TYE MICHAEL BRADY | 10/10/2017 |
| MICHAEL ROBERT BOCAMAZO | 10/08/2017 |
| MAFALDA GHIRA BORGES | 01/15/2019 |
| HARRIS SCOTT DAVIDSON | 01/13/2019 |
| ANDERS RICHARD JOHNSON | 01/21/2019 |
| ABIGAIL PHYLLIS RODRIGUES | 01/10/2019 |
| MINDY TIEU | 01/12/2019 |

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: | 16269261 |

CORRESPONDENCE DATA

Fax Number:

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: 415-576-0200

Email: sathompson@kilpatricktownsend.com

Correspondent Name: KILPATRICK TOWNSEND & STOCKTON LLP/ AMAZ

Address Line 1: 1100 PEACHTREE STREET

Address Line 2: SUITE 2800

Address Line 4: ATLANTA, GEORGIA 30309

| ATTORNEY DOCKET NUMBER: | 090204-1121012 (111210US) | |
|-------------------------|---------------------------|--|
| NAME OF SUBMITTER: | SARAH THOMPSON | |
| SIGNATURE: | /Sarah Thompson/ | |

PATENT 505316706 REEL: 048255 FRAME: 0755

DATE SIGNED: 02/06/2019

Total Attachments: 11

source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page1.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page2.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page3.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page4.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page5.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page6.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page7.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page8.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page9.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page10.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page10.tif source=2019-02-06_P40276-US02CON_090204-1121012-111210US_XFORMALS#page11.tif

U.S. Patent Appln. No. <u>15/690,051</u> Attorney Docket No. <u>090204-1052853 (111200US)</u>

Filing Date <u>August 29, 2017</u> Client Docket No. <u>P40276-US</u>

PARTIES TO THE ASSIGNMENT

Assignor(s):

Timothy StallmanHarris Scott Davidson410 Terry Avenue North410 Terry Avenue NorthSeattle, WA 98109-5210Seattle, WA 98109-5210

Tye Michael BradyAnders Richard Johnson410 Terry Avenue North410 Terry Avenue NorthSeattle, WA 98109-5210Seattle, WA 98109-5210

Michael Robert BocamazoAbigail Phyllis Rodrigues410 Terry Avenue North410 Terry Avenue NorthSeattle, WA 98109-5210Seattle, WA 98109-5210

Mafalda Ghira BorgesMindy Tieu410 Terry Avenue North410 Terry Avenue NorthSeattle, WA 98109-5210Seattle, 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

"MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING" (Invention) for which a nonprovisional application for United States Letters Patent (Application):

| was filed on August 29, 2017 and accorded U.S. Application No. 15/690,051; 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. 15/690,051

Attorney Docket No. 090204-1052853 (111200US)

Filing Date August 29, 2017

Client Docket No. P40276-US

Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING

Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu

Kilpatrick Townsend & Stockton LLP, associated with Customer No. 107508, to insert in the header

above and here in parentheses (U.S. Patent Application No. 15/690,051, filed August 29, 2017) 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

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U.S. Patent Appln. No. 15/690,051

Attorney Docket No. 090204-1052853 (111200US)

Filing Date August 29, 2017

Client Docket No. P40276-US

Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING

Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu

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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U.S. Patent Appln. No. 15/690,051 Attorney Docket No. 090204-1052853 (111200US) Filing Date August 29, 2017 Client Docket No. P40276-US Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/690,051 filed on August 29, 2017; 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. **Timothy Stallman** October 7, 2017 Date

U.S. Patent Appln. No. 15/690,051 Attorney Docket No. 090204-1052853 (111200US) Filing Date August 29, 2017 Client Docket No. P40276-US Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/690,051 filed on August 29, 2017; 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. ye Michael Brady/ B7C41C909BAD4C0... Tye Michael Brady October 10, 2017 Date

U.S. Patent Appln. No. 15/690,051 Attorney Docket No. 090204-1052853 (111200US) Filing Date August 29, 2017 Client Docket No. P40276-US Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/690,051 filed on August 29, 2017; 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. Michael Robert Bocamazo/ AA654D2FE89A4D9. Michael Robert Bocamazo October 8, 2017 Date

U.S. Patent Appln. No. 15/690,051 Attorney Docket No. 090204-1052853 (111200US) Filing Date August 29, 2017 Client Docket No. P40276-US Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/690,051 filed on August 29, 2017; 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. /Mafalda Ghira Borges/ **Mafalda Ghira Borges** January 15, 2019 Date

U.S. Patent Appln. No. 15/690,051 Attorney Docket No. 090204-1052853 (111200US) Filing Date August 29, 2017 Client Docket No. P40276-US Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/690,051 filed on August 29, 2017; 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. /Harris Scott Davidson/ **Harris Scott Davidson** January 13, 2019 Date

| U.S. Patent Appin. No. <u>15/690,051</u> | Attorney Docket No. <u>090204-1052853 (1112000S)</u> |
|--|--|
| Filing Date <u>August 29, 2017</u> | Client Docket No. <u>P40276-US</u> |
| Title of Invention: <u>MODULAR AUTOMATED IN</u> | NVENTORY SORTING AND RETRIEVING |
| | rady, Michael Robert Bocamazo, Mafalda Ghira ard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu |
| <u>DECLARATION</u> | |
| As a below named inventor, I hereby declare | e that: |
| This declaration is directed to: | |
| the attached application; or | |
| United States Patent Application | number <u>15/690,051</u> filed on <u>August 29, 2017</u> ; or |
| PCT International Application nu | mber filed on |
| The above-identified application was made o | or authorized to be made by me. |
| I believe that I am the original inventor or ar application. | n original joint inventor of a claimed Invention in the |
| I have reviewed and understand the content | ts of the above-identified application, and |
| acknowledge the duty to disclose to the US I | Patent & Trademark Office all information known to |
| me to be material to the patentability as def | Fined in 37 CFR 1.56. |
| I hereby acknowledge that any willful false s | tatement 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: / Anders Richard Johnson Anders Richard Johnson | |
| | |
| January 21, 2019 | |
| Date | |

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U.S. Patent Appln. No. 15/690,051 Attorney Docket No. 090204-1052853 (111200US) Filing Date August 29, 2017 Client Docket No. P40276-US Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/690,051 filed on August 29, 2017; 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. /Abigail Phyllis Rodrigues/ **Abigail Phyllis Rodrigues** January 10, 2019 Date

RECORDED: 02/06/2019

PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)

U.S. Patent Appln. No. 15/690,051 Attorney Docket No. 090204-1052853 (111200US) Filing Date August 29, 2017 Client Docket No. P40276-US Title of Invention: MODULAR AUTOMATED INVENTORY SORTING AND RETRIEVING Inventors: Timothy Stallman, Tye Michael Brady, Michael Robert Bocamazo, Mafalda Ghira Borges, Harris Scott Davidson, Anders Richard Johnson, Abigail Phyllis Rodrigues, Mindy Tieu **DECLARATION** As a below named inventor, I hereby declare that: This declaration is directed to: the attached application; or United States Patent Application number 15/690,051 filed on August 29, 2017; 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. **Mindy Tieu** January 12, 2019 Date

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