

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5735071

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
MUNIR MAHMOOD	09/23/2019
LEOPOLD BUSHKIN	09/23/2019
ALEXANDER THOMAS LOEB	09/23/2019
MICHAEL SCHWARTZ	09/24/2019
MOHAMMED ARIF	09/21/2019
RONGZHOU SHEN	09/22/2019
VIKRAM KUMAR GUNDETI	09/19/2019
SHEMYLA ANWAR	09/19/2019
YASER KHAN	09/19/2019
EDWARD PAGE FOYLE	09/19/2019
BO LI	09/19/2019

**RECEIVING PARTY DATA**

<b>Name:</b>	AMAZON TECHNOLOGIES, INC.
<b>Street Address:</b>	PO BOX 81226
<b>City:</b>	SEATTLE
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98108-1226

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16580643

**CORRESPONDENCE DATA**

**Fax Number:** (617)824-2020

*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:** 617-488-8180

**Email:** KBOOK@PIERCEATWOOD.COM

**Correspondent Name:** PIERCE ATWOOD LLP ATTN: PATENT DOCKETING

**Address Line 1:** 100 SUMMER STREET

**Address Line 2:** SUITE 2250

**Address Line 4:** BOSTON, MASSACHUSETTS 02110

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	P67216-US01
<b>NAME OF SUBMITTER:</b>	ILAN N. BARZILAY
<b>SIGNATURE:</b>	/Ilan N. Barzilay/
<b>DATE SIGNED:</b>	09/24/2019

**Total Attachments: 15**

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**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. \_\_\_\_\_

Attorney Docket No. 34703-9960

Filing Date \_\_\_\_\_

Client Docket No. P67216-US01

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

Munir Mahmood  
410 Terry Avenue North  
Seattle, WA 98109-5210

Vikram Kumar Gundeti  
410 Terry Avenue North  
Seattle, WA 98109-5210

Leopold Bushkin  
410 Terry Avenue North  
Seattle, WA 98109-5210

Shemyla Anwar  
410 Terry Avenue North  
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Alexander Thomas Loeb  
410 Terry Avenue North  
Seattle, WA 98109-5210

Yaser Khan  
410 Terry Avenue North  
Seattle, WA 98109-5210

Michael Schwartz  
410 Terry Avenue North  
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Edward Page Foyle  
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Mohammed Arif  
410 Terry Avenue North  
Seattle, WA 98109-5210

Bo Li  
410 Terry Avenue North  
Seattle, WA 98109-5210

Rongzhou Shen  
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  
“MULTI-ASSISTANT NATURAL LANGUAGE INPUT PROCESSING” (Invention) for which a non-  
provisional application for United States Letters Patent (Application):

was filed on \_\_\_\_\_ and accorded U.S. Application No. \_\_\_\_\_; or

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Title of Invention: MULTI-ASSISTANT NATURAL LANGUAGE INPUT PROCESSING

Inventors: Munir Mahmood, Leopold Bushkin, Alexander Thomas Loeb, Michael Schwartz, Mohammed Arif, Rongzhou Shen, Vikram Kumar Gundeti, Shemyla Anwar, Yaser Khan, Edward Page Foyle, Bo Li,

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 Pierce Atwood LLP, associated with Customer No. 136714, 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

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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,

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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. \_\_\_\_\_

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- PCT International Application number \_\_\_\_\_ filed on \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

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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:  
  
 3548BE1EF0F2415...

Munir Mahmood

September 23, 2019  
 \_\_\_\_\_  
 Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. \_\_\_\_\_

Attorney Docket No. 34703-9960

Filing Date \_\_\_\_\_

Client Docket No. P67216-US01

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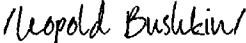
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DocuSigned by:  
  
 \_\_\_\_\_  
 BEB5A84C8094428...  
 Leopold Bushkin  
 September 23, 2019  
 \_\_\_\_\_  
 Date



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U.S. Patent Appln. No. \_\_\_\_\_

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DocuSigned by:  
**/Alexander Thomas Loeb/**  
UC45D288FB6346A...  
 Alexander Thomas Loeb  
 September 23, 2019  
 \_\_\_\_\_  
 Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. \_\_\_\_\_

Attorney Docket No. 34703-9960

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Title of Invention: MULTI-ASSISTANT NATURAL LANGUAGE INPUT PROCESSING

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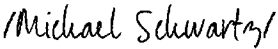
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DocuSigned by:  
  
 \_\_\_\_\_  
 Michael Schwartz  
 September 24, 2019  
 \_\_\_\_\_  
 Date

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DocuSigned by:  
  
 \_\_\_\_\_  
 Mohammed Arif  
 September 21, 2019  
 \_\_\_\_\_  
 Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. \_\_\_\_\_

Attorney Docket No. 34703-9960

Filing Date \_\_\_\_\_

Client Docket No. P67216-US01

Title of Invention: MULTI-ASSISTANT NATURAL LANGUAGE INPUT PROCESSING

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DocuSigned by:  
  
 24AB74DF8EEC433...  
 \_\_\_\_\_  
 Rongzhou Shen  
 \_\_\_\_\_  
 September 22, 2019  
 \_\_\_\_\_  
 Date

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent Appln. No. \_\_\_\_\_

Attorney Docket No. 34703-9960

Filing Date \_\_\_\_\_

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DocuSigned by:  
*Vikram Kumar Gundeti*  
8A1EABAC941C461...

Vikram Kumar Gundeti

September 19, 2019

\_\_\_\_\_  
Date

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DocuSigned by:  
  
124B262513ED418...

Shemyla Anwar

September 19, 2019  
 \_\_\_\_\_  
 Date

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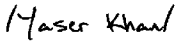
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DocuSigned by:  
  
 A1DE8371C3DE49D...

Yaser Khan

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DocuSigned by:  
*Edward Page Foyle*  
C810AB18F4804DE...

Edward Page Foyle

September 19, 2019

\_\_\_\_\_  
Date



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
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DocuSigned by:  
  
 \_\_\_\_\_  
0FF075D4CEBC4E5...

Bo Li

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 Date