504552512 09/18/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4599221

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL LEWIS SPECTOR	09/08/2017
FERGUS O'DONOGHUE	09/18/2017
CHASE WESLEY BROWN JR.	09/11/2017
SHAYNE LEON SNOW	09/11/2017
BRANDON GERALD LI HORST	09/18/2017
WILLIAM FOLWELL BARTON	09/08/2017

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:	15707496

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: patent@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

ATTORNEY DOCKET NUMBER:	P40480-US-ORG1
NAME OF SUBMITTER:	ILAN N. BARZILAY
SIGNATURE:	/llan N. Barzilay/
DATE SIGNED:	09/18/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT

504552512 REEL: 043616 FRAME: 0084

Total Attachments: 10 source=P40480-US-ORG1_Assignment_Declaration#page1.tif source=P40480-US-ORG1_Assignment_Declaration#page2.tif source=P40480-US-ORG1_Assignment_Declaration#page3.tif source=P40480-US-ORG1_Assignment_Declaration#page4.tif source=P40480-US-ORG1_Assignment_Declaration#page5.tif source=P40480-US-ORG1_Assignment_Declaration#page6.tif source=P40480-US-ORG1_Assignment_Declaration#page7.tif source=P40480-US-ORG1_Assignment_Declaration#page8.tif source=P40480-US-ORG1_Assignment_Declaration#page9.tif source=P40480-US-ORG1_Assignment_Declaration#page9.tif

PATENT REEL: 043616 FRAME: 0085

U.S. Patent Appln. No Filing Date	Attorney Docket No. <u>34703-08760</u> Client Docket No. P40480-US-ORG1
Provisional Appln. No. <u>62/512,359</u>	Attorney Docket No. <u>34703.08629</u>
Provisional Filing Date <u>05/30/2017</u>	Client Provisional Docket No. P40480-US
PARTIES TO THE ASSIGNMENT	
Assignor(s):	

Daniel Lewis Spector 410 Terry Avenue North Seattle, WA 98109-5210

Fergus O'Donoghue 410 Terry Avenue North Seattle, WA 98109-5210

Chase Wesley Brown, Jr. 410 Terry Avenue North Seattle, WA 98109-5210

Assignee:

Amazon Technologies, Inc. PO Box 81226 Seattle, WA 98108-1226

Shayne Leon Snow 410 Terry Avenue North Seattle, WA 98109-5210

Brandon Gerald Li Horst 410 Terry Avenue North Seattle, WA 98109-5210

William Folwell Barton 410 Terry Avenue North Seattle, WA 98109-5210

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"SEARCH AND KNOWLEDGE BASE QUESTION ANSWERING FOR A VOICE USER INTERFACE"

(Invention) for which a provisional application for United States Letters Patent (Application):

 \boxtimes was filed on 05/30/2017 and accorded U.S. Application No. 62/512,359; and

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"SEARCH AND KNOWLEDGE BASE QUESTION ANSWERING FOR A VOICE USER INTERFACE"

(Invention) for which a non-provisional application for United States Letters Patent (Application):

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

Page 1 of 10

U.S. Patent Appln. No.	Attorney Docket No. 34703-08760
Filing Date	Client Docket No. P40480-US-ORG1
U.S. Provisional Appln. No. <u>62/512,359</u>	Attorney Docket No. <u>34703.08629</u>
U.S. Provisional Filing Date 05/30/2017	Client Provisional Docket No. P40480-US

Title of Invention: <u>SEARCH AND KNOWLEDGE BASE QUESTION ANSWERING FOR A VOICE USER</u> INTERFACE

Inventors: Daniel Lewis Spector, Fergus O'Donoghue, Chase Wesley Brown, Jr., Shayne Leon Snow, Brandon Gerald Li Horst, William Folwell Barton

<u>Pierce Atwood LLP</u>, associated with Customer No. <u>136714</u>, 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, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request

Page 2 of 10

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

U.S. Provisional Appln. No. 62/512,359

U.S. Provisional Filing Date <u>05/30/2017</u>

Attorney Docket No. <u>34703-08760</u> Client Docket No. <u>P40480-US-ORG1</u>

Attorney Docket No. 34703.08629

Client Provisional Docket No. <u>P40480-US</u>

Title of Invention: <u>SEARCH AND KNOWLEDGE BASE QUESTION ANSWERING FOR A VOICE USER</u>

INTERFACE

Inventors: Daniel Lewis Spector, Fergus O'Donoghue, Chase Wesley Brown, Jr., Shayne Leon

Snow, Brandon Gerald Li Horst, William Folwell Barton

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

Page 3 of 10

PATENT REEL: 043616 FRAME: 0088

U.S. Patent Appln. No	Attorney Docket No. <u>34703-08760</u>
Filing Date	Client Docket No. P40480-US-ORG1
U.S. Provisional Appln. No. <u>62/512,359</u>	Attorney Docket No. <u>34703.08629</u>
U.S. Provisional Filing Date <u>05/30/2017</u>	Client Provisional Docket No. P40480-US

Title of Invention: <u>SEARCH AND KNOWLEDGE BASE QUESTION ANSWERING FOR A VOICE USER</u> INTERFACE

Inventors: Daniel Lewis Spector, Fergus O'Donoghue, Chase Wesley Brown, Jr., Shayne Leon Snow, Brandon Gerald Li Horst, William Folwell Barton

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.

U.S. Patent Appln. No		Attorney Docket N	
Filing Date No. 63/513 350		Client Docket No. P	
U.S. Provisional Appln. No. <u>62/512,359</u> U.S. Provisional Filing Date <u>05/30/2017</u>	Clie	Attorney Docket N ent Provisional Docke	
Title of Invention: <u>SEARCH AND KNOWLEDGE EINTERFACE</u>	BASE QUESTIO	N ANSWERING FOR A	VOICE USER
Inventors: Daniel Lewis Spector , Fergus O'Do Snow , Brandon Gerald Li Horst , William Folw		e Wesley Brown, Jr.,	Shayne Leon
DECLARATION As a below named inventor, I hereby declare t	that:		
This declaration is directed to:			
igorimits the attached application; or			
United States Patent Application r	number	filed on	; or
PCT International Application num	nber	filed on	
The above-identified application was made or	r authorized to	be made by me.	
I believe that I am the original inventor or an or a polication.	original joint i	nventor of a claimed	Invention in the
I have reviewed and understand the contents	of the above-	identified application	, and
acknowledge the duty to disclose to the US Pa	atent & Trade	mark Office all inform	ation known to
me to be material to the patentability as defir	ned in 37 CFR	1.56.	
I hereby acknowledge that any willful false sta	atement made	e in this declaration is	punishable
under 18 USC 1001 by fine or imprisonment o	of not more th	an five (5) years, or be	oth.
Daniel Lewis Spector			
Daniel Lewis Spector			
September 8, 2017			
Date			

Page 5 of 10

J.S. Patent Appin. No	Attorney Docket No. <u>34/03-08/60</u>
Filing Date	Client Docket No. <u>P40480-US-ORG1</u>
J.S. Provisional Appln. No. 62/512,359	Attorney Docket No. 34703.08629
J.S. Provisional Filing Date <u>05/30/2017</u>	Client Provisional Docket No. <u>P40480-US</u>
Fitle of Invention: <u>SEARCH AND KNOWLEDGE BASE</u>	QUESTION ANSWERING FOR A VOICE USER
NTERFACE	
nventors: Daniel Lewis Spector, Fergus O'Donog l Snow, Brandon Gerald Li Horst, William Folwell B	
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
igstyle the attached application; or	
☐ United States Patent Application numb	oer; or
PCT International Application number	filed on
The above-identified application was made or autl	norized to be made by me.
· ·	,
believe that I am the original inventor or an original	nal joint inventor of a claimed Invention in the
	,
application.	
have reviewed and understand the contents of the	as 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	n 37 CFR 1.56.
hereby acknowledge that any willful false statem	ent made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of not	: more than five (5) years, or both.
ــــــــ DocuSigned by:	
/Fergus O'Donogliue/	
Fergus O'Donoghue	
September 18, 2017	
Date	

Page 6 of 10

J.S. Patent Appln. No	Attorney Docket No. <u>34703-08760</u>
Filing Date	Client Docket No. P40480-US-ORG1
J.S. Provisional Appln. No. <u>62/512,359</u>	Attorney Docket No. <u>34703.08629</u>
J.S. Provisional Filing Date <u>05/30/2017</u>	Client Provisional Docket No. <u>P40480-US</u>
Title of Invention: SEARCH AND KNOWLEDGE BASE	QUESTION ANSWERING FOR A VOICE USER
<u>NTERFACE</u>	
nventors: Daniel Lewis Spector , Fergus O'Donogh Snow, Brandon Gerald Li Horst, William Folwell B	
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
igsep the attached application; or	
☐ United States Patent Application numb	oer; or
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The above-identified application was made or auth	norized to be made by me.
believe that I am the original inventor or an origin	nal joint inventor of a claimed Invention in the
application.	•
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have reviewed and understand the contents of the	ne above-identified application, and
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hereby acknowledge that any willful false statem	ent made in this declaration is nunishable
•	·
under 18 USC 1001 by fine or imprisonment of not	more than five (5) years, or both.
DocuSigned by:	
1 Chase Wesley Brown, Jr.1	
Chase Wesley Brown, Jr.	
September 11, 2017	
Date	

Page 7 of 10

U.S. Patent Appln. No	Attorney Docket No. <u>34703-08760</u>
Filing Date	Client Docket No. P40480-US-ORG1
U.S. Provisional Appln. No. 62/512,359	Attorney Docket No. 34703.08629
U.S. Provisional Filing Date <u>05/30/2017</u>	Client Provisional Docket No. <u>P40480-US</u>
	SE BASE QUESTION ANSWERING FOR A VOICE USER
<u>INTERFACE</u>	
Inventors: <mark>Daniel Lewis Spector, Fergus O'</mark> Snow, Brandon Gerald Li Horst, William Fo	Donoghue, Chase Wesley Brown, Jr., Shayne Leon Diwell Barton
DECLARATION	
As a below named inventor, I hereby decla	re that:
This declaration is directed to:	
igorimits the attached application; or	
United States Patent Application	on number; or
PCT International Application n	umber filed on
The above-identified application was made	e or authorized to be made by me
	, , , , , , , , , , , , , , , , , , , ,
I helieve that I am the original inventor or	an original joint inventor of a claimed Invention in the
-	an original joint inventor of a claimed invention in the
application.	
	nts of the above-identified application, and
acknowledge the duty to disclose to the US	S Patent & Trademark Office all information known to
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l hereby acknowledge that any willful false	statement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonmer	it of not more than five (5) years, or both.
DocuSigned by:	
/Shagne bon Snow/	
Shayne Leon Snow	
,	
September 11, 2017	
Date	

Page 8 of 10

J.S. Patent Appin. No	Attorney Docket No. <u>34/03-08/60</u>
Filing Date	Client Docket No. <u>P40480-US-ORG1</u>
J.S. Provisional Appln. No. <u>62/512,359</u>	Attorney Docket No. 34703.08629
J.S. Provisional Filing Date <u>05/30/2017</u>	Client Provisional Docket No. <u>P40480-US</u>
Fitle of Invention: <u>SEARCH AND KNOWLEDGE BAS</u>	E QUESTION ANSWERING FOR A VOICE USER
NTERFACE	
nventors: Daniel Lewis Spector , Fergus O'Donog Snow, Brandon Gerald Li Horst, William Folwell	
DECLARATION	
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This declaration is directed to:	
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United States Patent Application num	ber; or
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The above-identified application was made or au	thorized to be made by me.
believe that I am the original inventor or an orig	inal joint inventor of a claimed Invention in the
-	marjoint inventor of a daimed invention in the
application.	
have an investment and water days and the combants of the	de a charre i de catificad accordination, and
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acknowledge the duty to disclose to the US Pater	
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the character of the desire of the first terms.	
hereby acknowledge that any willful false stater	
under 18 USC 1001 by fine or imprisonment of no	ot more than five (5) years, or both.
DocuSigned by:	
1Brandon Gerald Li Horst1	
8ACF8B1177E247E	
Brandon Gerald Li Horst	
September 18, 2017	
Date	

Page 9 of 10

U.S. Patent Appln. No	Attorney Docket No. <u>34703-08760</u>
Filing Date U.S. Provisional Appln. No. <u>62/512,359</u>	Client Docket No. P40480-US-ORG1
U.S. Provisional Filing Date <u>05/30/2017</u>	Attorney Docket No. <u>34703.08629</u> Client Provisional Docket No. <u>P40480-US</u>
Title of Invention: <u>SEARCH AND KNOWLEDGE E</u> <u>INTERFACE</u>	BASE QUESTION ANSWERING FOR A VOICE USER
Inventors: Daniel Lewis Spector, Fergus O'Do Snow, Brandon Gerald Li Horst, William Folw	noghue, Chase Wesley Brown, Jr., Shayne Leon ell Barton
DECLARATION	
As a below named inventor, I hereby declare t	hat:
This declaration is directed to:	
igotimes the attached application; or	
United States Patent Application n	number; or
PCT International Application num	ber filed on
The above-identified application was made or	authorized to be made by me.
-	original joint inventor of a claimed Invention in the
application.	
I have reviewed and understand the contents	of the above-identified application, and
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under 18 USC 1001 by fine or imprisonment o	f not more than five (5) years, or both.
/William Folwell Barton/	
William Folwell Barton	
William Folwell Bulton	
September 8, 2017	
Date	

Page 10 of 10

PATENT REEL: 043616 FRAME: 0095

RECORDED: 09/18/2017