

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4781932

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MUBARAK ALI SEYED IBRAHIM	01/08/2018
	JUAN C. GARCIA	12/20/2017
	RUSHIN N. SHAH	12/16/2017
	NICHOLAS K. TREADGOLD	12/15/2017
	JUSTIN J. BRINEGAR	12/14/2017
	GAGAN ANEJA	12/14/2017
	ALAN QIAN	12/18/2017
RECEIVING PARTY DATA		
Name:	APPLE INC.	
Street Address:	1 INFINITE LOOP	
City:	CUPERTINO	
State/Country:	CALIFORNIA	
Postal Code:	95014	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15867480
CORRESPONDENCE DATA		
Fax Number:		
<i>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.</i>		
Phone:	(650) 798-0314	
Email:	katya.bond@dentons.com	
Correspondent Name:	CHRISTOPHER EIDE	
Address Line 1:	1530 PAGE MILL ROAD	
Address Line 2:	SUITE 200	
Address Line 4:	PALO ALTO, CALIFORNIA 94304	
ATTORNEY DOCKET NUMBER:	P36009US1/77870000290101	
NAME OF SUBMITTER:	CHRISTOPHER B. EIDE	
SIGNATURE:	/Christopher B. Eide/	
DATE SIGNED:	01/18/2018	

PATENT

Total Attachments: 8

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ASSIGNMENT

This assignment is by:

1. Mubarak Ali SEYED IBRAHIM
c/o Apple Inc.
1 Infinite Loop
Cupertino, California 95014
2. Juan C. GARCIA
c/o Apple Inc.
1 Infinite Loop
Cupertino, California 95014
3. Rushin N. SHAH
2013 Garzoni Pl
Santa Clara, CA 95054
4. Nicholas K. TREADGOLD
c/o Apple Inc.
1 Infinite Loop
Cupertino, California 95014
5. Justin J. BRINEGAR
c/o Apple Inc.
1 Infinite Loop
Cupertino, California 95014
6. Gagan ANEJA
c/o Apple Inc.
1 Infinite Loop
Cupertino, California 95014
7. Alan QIAN
c/o Apple Inc.
1 Infinite Loop
Cupertino, California 95014

(referred to in this Assignment as “Assignors”), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Apple Inc.
Address: 1 Infinite Loop, Cupertino, California 95014
A juristic entity duly organized under and pursuant to the laws of: California

(referred to in this Assignment as “Assignee”), which desires to acquire the entire right, title and interest in, to and under said patent application and the inventions covered thereby.

Assignors have invented certain new and useful inventions in:

NATURAL LANGUAGE UNDERSTANDING USING VOCABULARIES WITH COMPRESSED SERIALIZED TRIES

for which the following non-provisional application has been filed in the United States of America.

Serial No.: 15/867480

Filing Date: January 10, 2018

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignors hereby sell, assign, transfer and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, provisional application and application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.
2. Assignors represent, warrant and covenant (a) that, at the time of execution and delivery of this agreement, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and said provisional application and application for letters patent, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignors solely and lawfully owned the entire right, title and interest in and to said inventions and said provisional application and application for letters patent, and that the same were unencumbered and that Assignors sold, assigned, transferred and set over to Assignee and its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions and said provisional application and application for letters patent.
3. Assignors shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said provisional application and application for letters patent; (b) any division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through any reissue, re-examination or other post-grant proceeding. To be clear, for purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
4. Assignors hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patent of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
5. "I hereby grant attorneys, all of Dentons US LLP, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: 01/08/18

Signature: Mubarak
Mubarak Ali SEYED IBRAHIM

Date: _____

Signature: _____
Juani C. GARCIA

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

1. Assignors hereby sell, assign, transfer and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, provisional application and application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

2. Assignors represent, warrant and covenant (a) that, at the time of execution and delivery of this agreement, Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and said provisional application and application for letters patent, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignors solely and lawfully owned the entire right, title and interest in and to said inventions and said provisional application and application for letters patent, and that the same were unencumbered and that Assignors sold, assigned, transferred and set over to Assignee and its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions and said provisional application and application for letters patent.

3. Assignors shall promptly sign and execute all papers and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said provisional application and application for letters patent; (b) any division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through any reissue, re-examination or other post-grant proceeding. To be clear, for purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.

4. Assignors hereby authorize and request the Commissioner of Patents in the United States to issue the above mentioned letters patent of the United States to Assignee as the assignee of said inventions and the letters patent to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.

5. "I hereby grant attorneys, all of Dentons US LLP, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known."

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date: _____

Signature: _____
Mubarak Ali SEYED IBRAHIM

Date: 12/20/2017

Signature: _____
Juan C. GARCIA

Date: 12/16/2017

Signature: _____

Rushin N. SHAH

Date: _____

Signature: _____

Nicholas K. TREADGOLD

Date: _____

Signature: _____

Justin J. BRINEGAR

Date: _____

Signature: _____

Gagan ANEJA

Date: _____

Signature: _____

Alan QIAN

Date: _____

Signature: _____

Rushin N. SHAH

Date: 15 December 2017

Signature: Nicholas K. Treadgold

Nicholas K. TREADGOLD

Date: _____

Signature: _____

Justin J. BRINEGAR

Date: _____

Signature: _____

Gagan ANEJA

Date: _____

Signature: _____

Alan QIAN

Date: _____

Signature: _____
Rushin N. SHAH

Date: _____

Signature: _____
Nicholas K. TREADGOLD

Date: 12/14/2017

Signature: 
Justin J. BRINEGAR

Date: _____

Signature: _____
Gagan ANEJA

Date: _____

Signature: _____
Alan QIAN

Date: _____

Signature: _____

Rushin N. SHAH

Date: _____

Signature: _____

Nicholas K. TREADGOLD

Date: _____

Signature: _____

Justin J. BRINEGAR

Date: 12/14/18

Signature: _____

Gagan ANEJA

Date: _____

Signature: _____

Alan QIAN

Date: _____

Signature: _____

Rushin N. SHAH

Date: _____

Signature: _____

Nicholas K. TREADGOLD

Date: _____

Signature: _____

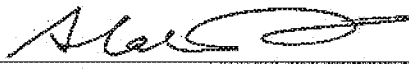
Justin J. BRINEGAR

Date: _____

Signature: _____

Gagan ANEJA

Date: 12/18/2017

Signature: 

Alan QIAN