504778572 02/14/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4825301

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RYAN S. DIXON	10/20/2017
IMRAN CHAUDHRI	05/17/1995
BRADLEY W. GRIFFIN	07/11/2017
TIFFANY S. JON	07/06/2017

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:	15614276	

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: 415-267-4177

Email: morgan.adams@dentons.com

Correspondent Name: MICHAEL A. SWETT Address Line 1: ONE MARKET PLAZA

Address Line 2: SPEAR TOWER, 24TH FLOOR

Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

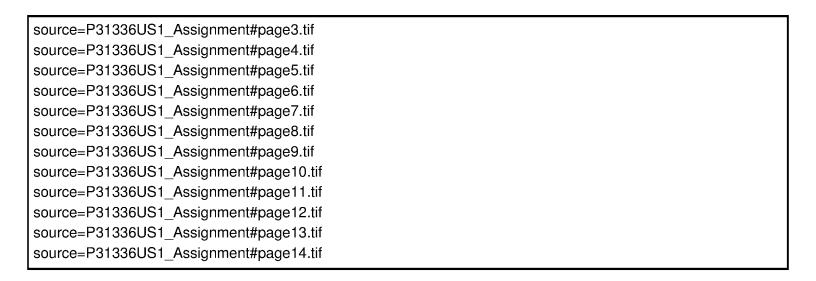
ATTORNEY DOCKET NUMBER:	P31336US1/77770000447101	
NAME OF SUBMITTER:	MICHAEL A. SWETT	
SIGNATURE:	/Michael A. Swett/	
DATE SIGNED:	02/14/2018	

Total Attachments: 14

source=P31336US1_Assignment#page1.tif source=P31336US1_Assignment#page2.tif

PATENT REEL: 044932 FRAME: 0262

504778572



ASSIGNMENT

This assignment is by:

Ryan S. DIXON
 c/o Apple Inc,
 I Infinite Loop
 Cupertino, California 95014

Imran CHAUDHRI
 S7 Beaumont Ave.
 San Francisco, California 94118

 Bradley W. GRIFFIN c/o Apple Inc.
 I Infinite Loop Cupertino, California 95014

Tiffany S. JON
 c/o Apple Inc.
 I 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:

HANDWRITING KEYBOARD FOR SCREENS

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

Serial No.: 15/614.276

Filing Date: June 5, 2017

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, application for letters patent, any and all provisionals, 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, and 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

1

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.

- 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 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 application for letters patent, and the same were unencumbered and that Assignors sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions and said applications 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 application for letters patent; (b) any provisional, non-provisional, 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 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 Morrison & Foerster 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."

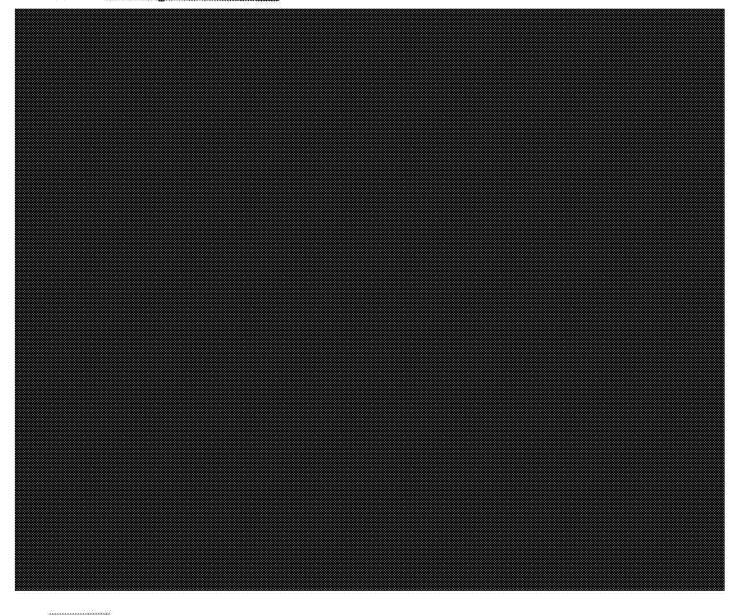
In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

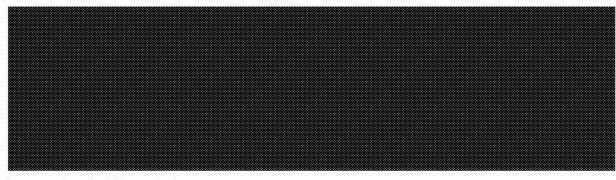
Date: ()taber 20, 2017	Signature: Ryan S. DIXON
Date:	Signature:
Date:	Signature: Bradley W. GRIFFIN
Date:	Signature:

APPLE COMPUTER, INC. INTELLECTUAL PROPERTY AGREEMENT

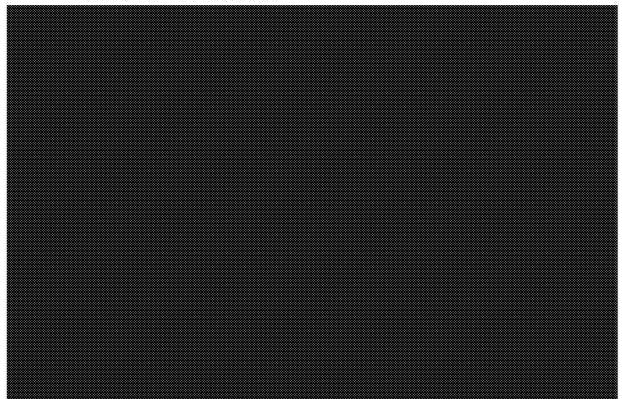
This Agreement sets forth the agreements between you and Apple Computer, Inc. ("Apple") concerning any inventions you may make in connection with your employment by Apple and your treatment of Apple's confidential and proprietary information. Apple has agreed to employ you or continue to employ you with the agreement that you agree to and will abide by the following terms and conditions for the tenure of your employment by Apple (including, but not limited to, any leave of absence, sabbatical, and other time-off) and thereafter:

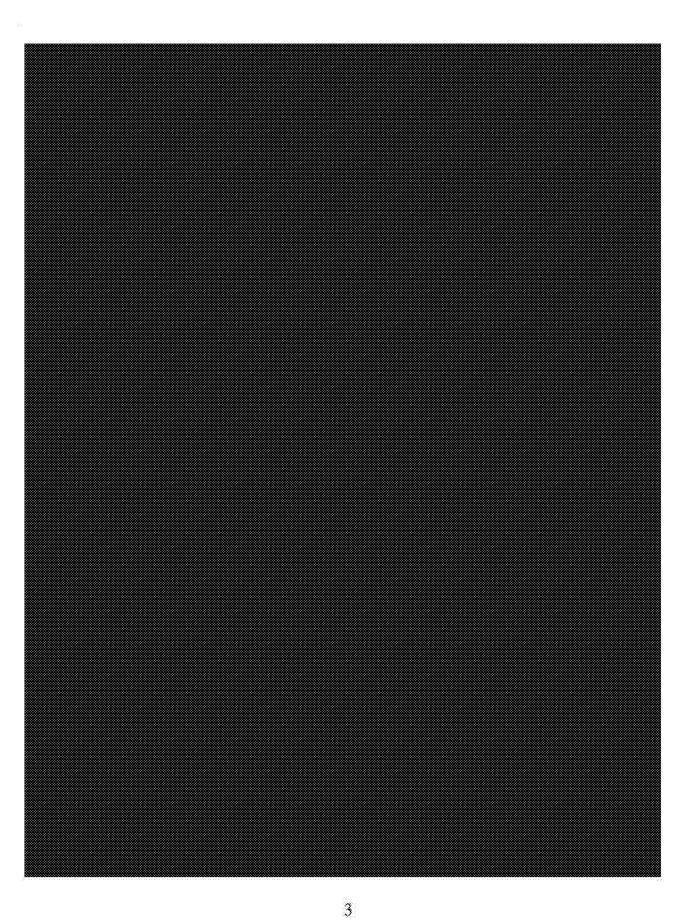
- 1.0 INVENTIONS. As used in this Agreement, the term "Inventions" means any and all inventions, ideas and discoveries, including improvements, original works of authorship, designs, formulas, processes, computer programs, or portions therefore, databases, trade secrets and proprietary information, documentation, and materials made or conceived solely by you or jointly with others or created wholly or in part by you.
- a. Your Rights In Inventions.

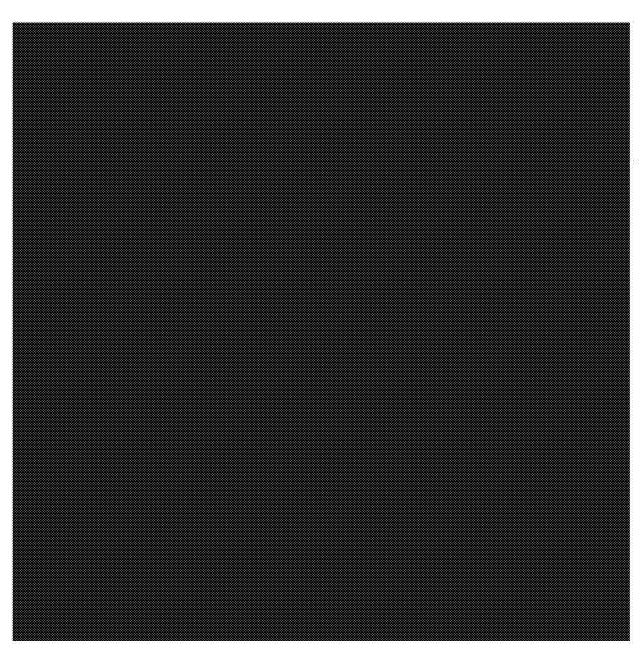




- b. Apple's Rights In Inventions.
- (i) Assignment of Inventions to Apple. You agree that all Inventions which:(a) are developed using the equipment, supplies, facilities or Proprietary Information of Apple or its subsidiaries, or (b) result from or are suggested by work performed by you for Apple or its subsidiaries, or (c) are conceived or reduced to practice during your employment by Apple and which relate to the business and products, or to the actual or demonstrably anticipated research or development of Apple or its subsidiaries ("Apple Inventions"), will be the sole and exclusive property of Apple, and you will and hereby do assign all your right, title and interest in such Apple Inventions to Apple. You agree to perform any and all acts requested by Apple, if any, to perfect this assignment.







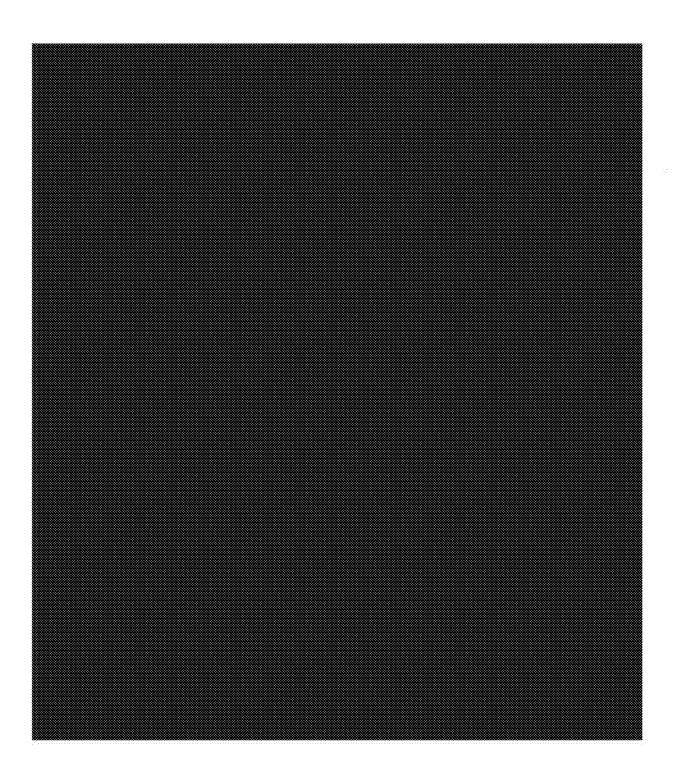
7.0 <u>VOLUNTARY AGREEMENT</u>. YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT CAREFULLY, THAT YOU UNDERSTAND ALL OF ITS TERMS, THAT ALL AGREEMENTS BETWEEN YOU AND APPLE RELATING TO THE SUBJECTS COVERED IN THIS AGREEMENT ARE CONTAINED IN IT, AND THAT YOU HAVE ENTERED INTO THIS AGREEMENT VOLUNTARILY AND NOT IN RELIANCE UPON ANY PROMISES OR REPRESENTATIONS OTHER THAN THOSE CONTAINED IN THIS AGREEMENT ITSELF.

YOU FURTHER ACKNOWLEDGE THAT YOU HAVE HAD THE OPPORTUNITY TO DISCUSS THIS AGREEMENT WITH YOUR PRIVATE LEGAL COUNSEL.

Employee Signature

Print Name

3.

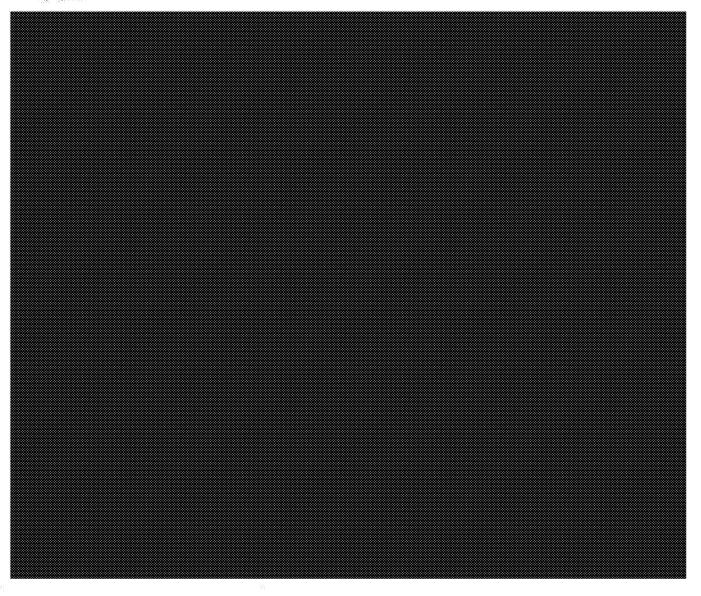


APPLE COMPUTER, INC. INTELLECTUAL PROPERTY AGREEMENT

This Agreement sets forth the understandings between you and Apple Computer, Inc. ("Apple") concerning any inventions you may make in connection with your employment by Apple and your treatment of Apple's confidential and proprietary information. Apple has agreed to employ you or continue to employ you with the understanding that you agree to and will abide by the following terms and conditions:

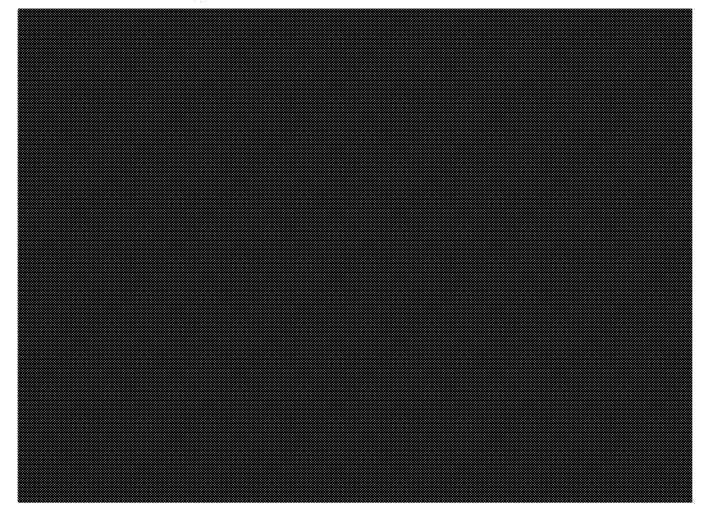
1.0 INVENTIONS.

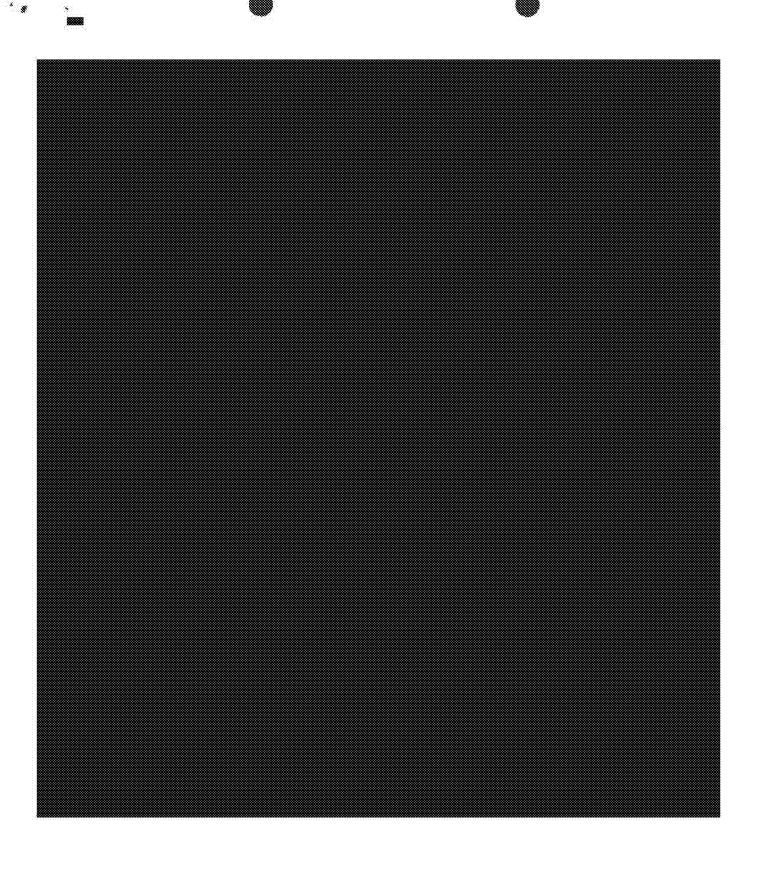
As used in this Agreement, the term "Inventions" means any and all inventions, ideas and discoveries, including improvements, original works of authorship, designs, formulas, processes, computer programs, databases, trade secrets and related proprietary information, documentation, and materials made or conceived solely by you or jointly with others or created wholly or in part by you.



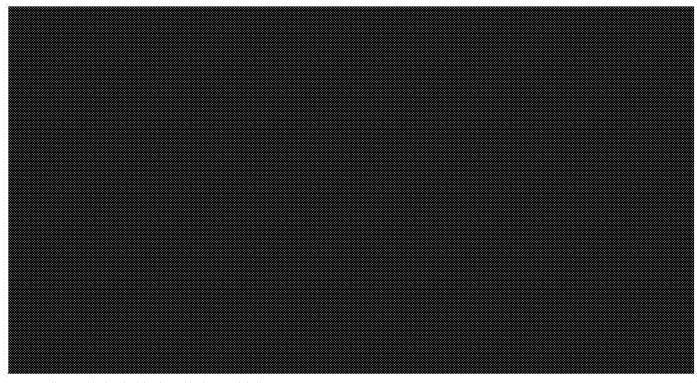
b. Apple's Rights In Inventions,

(ii) Assignment of Inventions to Apple. You agree that all Inventions that: (a) are developed using the equipment, supplies, facilities or Proprietary Information of Apple or its subsidiaries, (b) result from or are suggested by work performed by you for Apple or its subsidiaries, or (c)³ which are conceived or reduced to practice during your employment at Apple and which relate to the business, or to the actual or demonstrably anticipated research or development of Apple or its subsidiaries ("Apple Inventions"), will be the sole and exclusive property of Apple, and you will and hereby do assign all your right, title and interest in such Apple Inventions to Apple.





3



7.0 YOLUNTARY AGREEMENT.

YOU ACKNOWLEDGE THAT YOU HAVE READ THIS AGREEMENT CAREFULLY, THAT YOU UNDERSTAND ALL OF ITS TERMS, THAT ALL UNDERSTANDINGS AND AGREEMENTS BETWEEN YOU AND APPLE RELATING TO THE SUBJECTS COVERED IN THIS AGREEMENT ARECONTAINED IN IT, AND THAT YOU HAVE ENTERED INTO THIS AGREEMENT VOLUNTARILY AND NOT IN RELIANCE UPON ANY PROMISES OR REPRESENTATIONS OTHER THAN THOSE CONTAINED IN THIS AGREEMENT ITSELF.

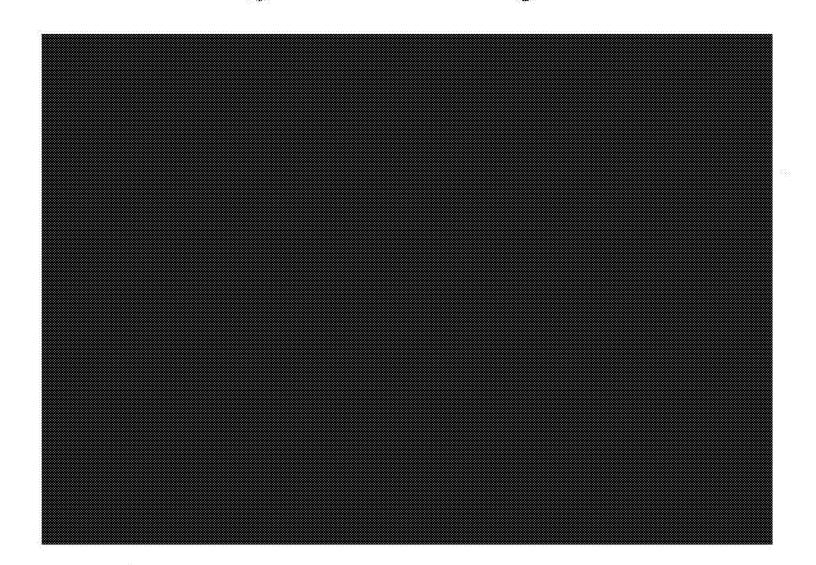
YOU FURTHER ACKNOWLEDGE THAT YOU HAVE BEEN GIVEN THE OPPORTUNITY TO DISCUSS THIS AGREEMENT WITH YOUR PRIVATE LEGAL COUNSEL.

Intern Signature

Date Signed

LIMEAN CHAVITHE

Print Name



5

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 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 application for letters patent, and the same were unencumbered and that Assignors sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions and said applications 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 application for letters patent; (b) any provisional, non-provisional, 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 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 Morrison & Foerster 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:
	Ryan S, DIXON
Date:	Signature:
	Imran (MAUDHRI
Date: 7/11/17	Signature;
	Bradley W GRIFFIN
Printer	1
Date:	Signature:

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 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 application for letters patent, and the same were unencumbered and that Assignors sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to said inventions and said applications 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 application for letters patent; (b) any provisional, non-provisional, 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 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 Morrison & Foerster 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:	
			Ryan S. DIXON
Date:		Signature:	
	-	Imran CHAUDHRI	
Date:	***************************************	Signature:	
			Bradley W. GRIFFIN
Date:	7/6/17	Signature:	William
			Tiffany 5.10N

2