# 504166839 01/06/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4213516

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
LIBOR SYKORA	12/06/2016
DELFIN J. ROJAS	09/26/2016
PAUL J. SHOLTZ	09/28/2016
ERIKA MISAKI	09/26/2016
SHIVA KROVI	12/21/2016
LAWRENCE AUNG	12/21/2016
JULIEN LEROUGE	01/04/2017

# **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:	15275281

# **CORRESPONDENCE DATA**

**Fax Number:** (512)853-8801

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:** 512 853 8800

**Email:** dkramer@intprop.com

Correspondent Name: MEYERTONS HOOD KIVLIN KOWERT & GOETZEL, P.C.

Address Line 1: P.O. BOX 398

Address Line 4: AUSTIN, TEXAS 78767-0398

ATTORNEY DOCKET NUMBER:	8888-92901
NAME OF SUBMITTER:	PAUL T. SEEGERS
SIGNATURE:	/Paul T. Seegers/
DATE SIGNED:	01/06/2017

PATENT 504166839 REEL: 040870 FRAME: 0650

# Total Attachments: 12 source=P31891US1\_Assignment\_8888-92901#page1.tif source=P31891US1\_Assignment\_8888-92901#page2.tif source=P31891US1\_Assignment\_8888-92901#page3.tif source=P31891US1\_Assignment\_8888-92901#page4.tif source=P31891US1\_Assignment\_8888-92901#page5.tif source=P31891US1\_Assignment\_8888-92901#page6.tif source=P31891US1\_Assignment\_8888-92901#page7.tif source=P31891US1\_Assignment\_8888-92901#page8.tif source=P31891US1\_Assignment\_8888-92901#page9.tif source=P31891US1\_Assignment\_8888-92901#page10.tif source=P31891US1\_Assignment\_8888-92901#page11.tif source=P31891US1\_Assignment\_8888-92901#page11.tif source=P31891US1\_Assignment\_8888-92901#page12.tif

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to Apple Inc. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at 1 Infinite Loop, Cupertino, CA 95014, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was filed September 23, 2016, Serial No. 15/275,281, and is entitled AUTHENTICATION USING A SECURE CIRCUIT, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

ĺ.

nominees of the Assigns. (Signature) \_\_\_\_\_\_ Name: Libor Sykora Date: December 6, 2016 Date: (Signature) Date: Name: Paul J. Sholtz (Signature) Date: Erika Misaki Name: Shiva Krovi (Signature) \_\_\_ Date: Name: re) \_\_\_\_\_ Lawrence Aung Date: (Signature) \_\_\_ Name: Date: (Signature) \_\_\_ Julien Lerouge

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and

> Customer No. 81310 Dean M. Munyon Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, TX 78767-0398

Name:

2

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Apple Inc.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>I Infinite Loop, Cupertino, CA 95014</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was filed <u>September 23</u>, <u>2016</u>, Serial No. <u>15/275,281</u>, and is entitled <u>AUTHENTICATION USING A SECURE CIRCUIT</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

1

(Signature)_		Date:
	Libor Sykora	
(Signature) _ Name:	Delfin J. Rojas	Date: <u>09/26/2016</u>
(Signature) _ Name:	Paul J. Sholtz	Date:
(Signature) _ Name:	Erika Misaki	Date:
(Signature) _ Name:	Shiva Krovi	Date:
(Signature) _ Name:	Lawrence Aung	Date:
(Signature) _ Name:	Julien Lerouge	Date:

Customer No. 81310

# <u>ASSIGNMENT</u>

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Apple Inc.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>1 Infinite Loop</u>, <u>Cupertino</u>, <u>CA 95014</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was filed <u>September 23</u>, <u>2016</u>, Serial No. <u>15/275,281</u>, and is entitled <u>AUTHENTICATION USING A SECURE</u> <u>CIRCUIT</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

1

(Signature)_		Date:
Name:	Libor Sykora	
(Signature) _ Name:	Delfin J. Rojas	Date:
(Signature) _ Name:	Paul J. Sholtz	Date: <u>Q   28 (  6</u>
(Signature) _ Name:	Erika Misaki	Date:
(Signature) _ Name:	Shìva Krovi	Date:
(Signature) _ Name:	Lawrence Aung	Date:
(Signature)	Iulien Lerouge	Date:

Customer No. 81310

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Apple Inc.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>1 Infinite Loop</u>, <u>Cupertino</u>, <u>CA 95014</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was filed <u>September 23</u>, <u>2016</u>, Serial No. <u>15/275,281</u>, and is entitled <u>AUTHENTICATION USING A SECURE</u> <u>CIRCUIT</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

1

(Signature)		Date:	
Name:	Libor Sykora		
(Signature) _ Name:	Delfin J. Rojas	Date:	
(Signature) _ Name:	Paul J. Sholtz	Date:	······································
(Signature) Name:	<u>Like Misake</u> Erika Misaki	Date: Sept 26	<u>, 2016</u>
(Signature) _ Name:	Shiva Krovi	Date:	
(Signature) _ Name:	Lawrence Aung	Date:	
(Signature) _ Name:	Julien Lerouge	Date:	······································

Customer No. 81310

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Apple Inc.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>Infinite Loop</u>, <u>Cupertino</u>, <u>CA 95014</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was filed <u>September 23</u>, <u>2016</u>, Serial No. <u>15/275,281</u>, and is entitled <u>AUTHENTICATION USING A SECURE CIRCUIT</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

ì

(Signature)		Date:	
Name:	Libor Sykora		
(Signature) _ Name:	Delfin J. Rojas	Date:	
(Signature) _ Name:	Paul J. Sholtz	Date:	
(Signature) _ Name:	Erika Misaki	Date:	
(Signature) _ Name:	Shiva Krovi	Date: <u>12   2</u>	1/2016
(Signature) _ Name:	Lawrence Aung	Date: <u>2016-12</u>	<u> </u>
(Signature) _ Name:	Inlien I erange	Date:	

Customer No. 81310

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned does hereby:

SELL, ASSIGN AND TRANSFER to <u>Apple Inc.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>1 Infinite Loop</u>, <u>Cupertino</u>, <u>CA 95014</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which was filed <u>September 23</u>, <u>2016</u>, Serial No. <u>15/275,281</u>, and is entitled <u>AUTHENTICATION USING A SECURE</u> <u>CIRCUIT</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

1

(Signature)		Date:
Name:	Libor Sykora	
(Signature) _		Date:
Name:	Delfin J. Rojas	
(Sionature)		Date:
Name:	Paul J. Sholtz	
a segent control of control section		2000 2000 2000 2000
	Erika Misaki	Date:
Name:		
50 50 50 50 50 50 50 50 50 50 50 50 50 5		n
(Signature) Nomo:	Shiva Krovi	Date:
Smite.	Sinva Kiovi	
(Sionature)		Date:
Name:		
	<b>*</b>	
	* * . <b>.</b>	
#	and the state of t	Date: 1/4//7
(Signature) _	Julien Lerouge	Date:
Name:	Julien Lerouge	

Customer No. 81310
Dean M. Munyon
Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C.
P.O. Box 398
Austin, TX 78767-0398

3