503188730 02/20/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3235347

SUBMISSION TYPE: NEW ASSIGNMENT		
NATURE OF CONVEYAN	CE: ASSIGNMENT	
CONVEYING PARTY DA	ТА	
	Name	Execution Date
JODY AKANA		01/21/2015
BARTLEY K. ANDRE		01/19/2015
SHOTA AOYAGI		01/19/2015
ANTHONY MICHAEL ASI	HCROFT	01/19/2015
JEREMY BATAILLOU		01/26/2015
DANIEL J. COSTER		01/21/2015
DANIELE DE IULIIS		01/26/2015
M. EVANS HANKEY		01/31/2015
JULIAN HOENIG		01/19/2015
RICHARD P. HOWARTH		01/20/2015
JONATHAN P. IVE		02/05/2015
DUNCAN ROBERT KERR		01/19/2015
MARC A. NEWSON		02/02/2015
MATTHEW DEAN ROHRBACH		01/26/2015
PETER RUSSELL-CLAR	<e< td=""><td>01/23/2015</td></e<>	01/23/2015
BENJAMIN ANDREW SH	AFFER	01/19/2015
MIKAEL SILVANTO		01/19/2015
CHRISTOPHER J. STRIN	IGER	01/19/2015
EUGENE ANTONY WHA	NG	01/19/2015
RICO ZÖRKENDÖRFER		01/19/2015
RECEIVING PARTY DAT	A	
Name:	APPLE INC.	
Street Address:	1 INFINITE LOOP	

City:CUPERTINOState/Country:CALIFORNIAPostal Code:95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29499084

CORRESPONDENCE DATA Fax Number: (202)371-2540 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: (202) 371-2600 Email: MOHIRA@SKGF.COM,JHALL@SKGF.COM **Correspondent Name:** STERNE, KESSLER, GOLDSTEIN & FOX PLLC Address Line 1: 1100 NEW YORK AVENUE, .N.W. Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	2607.8020000
NAME OF SUBMITTER:	TRACY-GENE G. DURKIN
SIGNATURE:	/Tracy Durkin/ #32,831
DATE SIGNED:	02/20/2015

Total Attachments: 40

source=2607 8020000 ASSIGNMENT#page1.tif source=2607 8020000 ASSIGNMENT#page2.tif source=2607 8020000 ASSIGNMENT#page3.tif source=2607 8020000 ASSIGNMENT#page4.tif source=2607 8020000 ASSIGNMENT#page5.tif source=2607 8020000 ASSIGNMENT#page6.tif source=2607 8020000 ASSIGNMENT#page7.tif source=2607 8020000 ASSIGNMENT#page8.tif source=2607 8020000 ASSIGNMENT#page9.tif source=2607 8020000 ASSIGNMENT#page10.tif source=2607 8020000 ASSIGNMENT#page11.tif source=2607 8020000 ASSIGNMENT#page12.tif source=2607 8020000 ASSIGNMENT#page13.tif source=2607 8020000 ASSIGNMENT#page14.tif source=2607 8020000 ASSIGNMENT#page15.tif source=2607 8020000 ASSIGNMENT#page16.tif source=2607 8020000 ASSIGNMENT#page17.tif source=2607 8020000 ASSIGNMENT#page18.tif source=2607 8020000 ASSIGNMENT#page19.tif source=2607 8020000 ASSIGNMENT#page20.tif source=2607 8020000 ASSIGNMENT#page21.tif source=2607 8020000 ASSIGNMENT#page22.tif source=2607 8020000 ASSIGNMENT#page23.tif source=2607 8020000 ASSIGNMENT#page24.tif source=2607 8020000 ASSIGNMENT#page25.tif source=2607 8020000 ASSIGNMENT#page26.tif source=2607 8020000 ASSIGNMENT#page27.tif source=2607 8020000 ASSIGNMENT#page28.tif source=2607 8020000 ASSIGNMENT#page29.tif source=2607 8020000 ASSIGNMENT#page30.tif source=2607 8020000 ASSIGNMENT#page31.tif source=2607 8020000 ASSIGNMENT#page32.tif



Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignce), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world

(a) in the invention(s) known as Electronic Device for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with CUSTOMER NUMBER 63975 the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date:

1.

Signature of Inventor: 12/15

Name:

Jody AKANA

Sterne	Kessler
Goldst	ein Fox

Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:
2.	//	<u>√</u>	Bartley K. ANDRE
3.	/	√	Shota AOYAGI
4.	/	<u>√</u>	Anthony Michael ASHCROFT
5.		√	Jeremy BATAILLOU
6.	/ /	√	Daniel J. COSTER
7.	/	√	Daniele DE IULIIS
8.	/	<u>√</u>	M. Evans HANKEY
9.	//	√	Julian HOENIG
10.	/_/	<u>√</u>	Richard P. HOWARTH
11.	/	√	Jonathan P. IVE
12.	/ /	√	Duncan Robert KERR
13.	_/_/	<u>V</u>	Marc A. NEWSON
14.	/_/	<u>\</u>	Matthew Dean ROHRBACH
15.	/	<u>V</u>	Peter RUSSELL-CLARKE
16.	//	<u>\</u>	Benjamin Andrew SHAFFER
17.	_/ /	√	Mikael SILVANTO
18.	//	<u> </u>	Christopher J. STRINGER
19.	/	<u>\</u>	Eugene Antony WHANG
20.	/	<u>\</u>	Rico ZÖRKENDÖRFER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date:

Signature of Inventor:

Name:

Jody AKANA

1. <u>/// v</u>

	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499.084 Atty. Docket No. 2607.8020000(P24558US1)
	Date:	Signature of Inventor:	Name:
2.	1 19,15	1 Sht	Bartley K. ANDRE
3.		<u>1</u>	Shota AOYAGI
4.		1	Anthony Michael ASHCROFT
5.		<u>√</u>	Jeremy BATAILLOU
6.		√	Daniel J. COSTER
7.	11	√	Daniele DE IULIIS
8.		1	M. Evans HANKEY
9.		<u>.</u>	Julian HOENIG
10.		Ń	Richard P. HOWARTH
11.	11	×	Jonathan P. IVE
12.		<u></u>	Duncan Robert KERR
13.		√	Marc A. NEWSON
14.	/	√	Matthew Dean ROHRBACH
15.	_1_1_	<u>√</u>	Peter RUSSELL-CLARKE
16.	_1_1	<u>√</u>	Benjamin Andrew SHAFFER
17.		<u>√</u>	Mikael SILVANTO
18.		<u>√</u>	Christopher J. STRINGER
19.		<u>√</u>	Eugene Antony WHANG
20.		¥	Rico ZÖRKENDÖRFER

Page 2 of 2



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date:

Signature of Inventor:

Name:

Jody AKANA

1. _/_/__

Sterne Kessler	
Goldstein Fox	

Sterne, Kessler, Goldstein & Fox P.L.t.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:
2.		¥	Bartley K. ANDRE
3.	1,19,15	大寺和 新大	Shota AOYAGI
4.		1	Anthony Michael ASHCROFT
5.		1	Jeremy BATAILLOU
6.		ý	Daniel J. COSTER
7.		1	Daniele DE IULIIS
8.		V	M. Evans HANKEY
9.		<u>\</u>	Julian HOENIG
10.		√	Richard P. HOWARTH
11.		1	Jonathan P. IVE
12.		V	Duncan Robert KERR
13.		1	Marc A. NEWSON
14.	_/_/	1	Matthew Dean ROHRBACH
15.		<u>v</u>	Peter RUSSELL-CLARKE
16.		√	Benjamin Andrew SHAFFER
17.		<u>\</u>	Mikael SILVANTO
18.	/	*	Christopher J. STRINGER
19.		<u>v</u>	Eugene Antony WHANG
20.		√	Rico ZÖRKENDÖRFER

Page 2 of 2



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. // _____

Sterne Kessler	
Goldstein Fox	

Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499.084 Atty. Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:
2.		<u>\</u>	Bartley K. ANDRE
3.		<u>√</u>	Shota AOYAGI
4.	1,14,15	× 1	Anthony Michael ASHCROFT
5.		<u>\</u>	Jeremy BATAILLOU
6.		4	Daniel J. COSTER
7.			Daniele DE IULIIS
8.		<u>√</u>	M. Evans HANKEY
9.		N	Julian HOENIG
10.		٧	Richard P. HOWARTH
11.		<u>\</u>	Jonathan P. IVE
12.	<u> </u>	*	Dunean Robert KERR
13.		ν	Marc A. NEWSON
14.		v.	Matthew Dean ROHRBACH
15.		<u>V</u>	Peter RUSSELL-CLARKE
16.		<u>\</u>	Benjamin Andrew SHAFFER
17.		<u>\</u>	Mikael SILVANTO
18.		<u>vi</u>	Christopher J. STRINGER
19.		٧	Eugene Antony WHANG
20.		٧	Rico ZÖRKENDÖRFER

Page 2 of 2



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULHS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)
	Date:	Signature of Inventor:	Name:
2.		<u>\</u>	Bartley K. ANDRE
3.		<u>\</u>	Shota AOYAGI
4.		<u>\</u>	Anthony Michael ASHCROFT
5.	0/26/15	Bat	Jeremy BATAILLOU
6.		<u>√</u>	Daniel J. COSTER
7.		<u> </u>	Daniele DE IULIIS
8.		٧	M. Evans HANKEY
9.		<u>\</u>	Julian HOENIG
10.		V	Richard P. HOWARTH
11.		√	Jonathan P. IVE
12.		<u>√</u>	Duncan Robert KERR
13.		<u>\</u>	Marc A. NEWSON
14.		٧	Matthew Dean ROHRBACH
15.		×	Peter RUSSELL-CLARKE
16.		√	Benjamin Andrew SHAFFER
17.		<u> </u>	Mikael SILVANTO
18.		√	Christopher J. STRINGER
19.		√	Eugene Antony WHANG
20.		<u>\</u>	Rico ZÖRKENDÖRFER

Page 2 of 2

PATENT REEL: 034998 FRAME: 0671

•



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

Sterne Kes	sler
Goldstein	Fox

	Date:	Signature of Inventor:
2.		<u>Ý</u>
3.	/	<u>\</u>
4.	/	<u>√</u>
5.		
6.	1 2115	
7.		<u>ý</u>
8.		<u>\</u>
9.		1
10.		<u>\</u>
11.		<u>\</u>
12.		1
13.		<u>√</u>
14.		<u>\</u>
15.		<u>√</u>
16.		<u>√</u>
17.	/	<u> </u>
18.		<u>\</u>
19.		<u> </u>
20.		<u>√</u>

Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

Name:

Bartley K. ANDRE Shota AOYAGL Anthony Michael ASHCROFT Jeremy BATAILLOU Daniel J. COSTER Daniele DE IULIIS M. Evans HANKEY Julian HOENIG Richard P. HOWARTH Jonathan P. IVE Duncan Robert KERR Marc A. NEWSON Matthew Dean ROHRBACH Peter RUSSELL-CLARKE Benjamin Andrew SHAFFER Mikael SILVANTO Christopher J. STRINGER Eugene Antony WHANG

Page 2 of 2

Rico ZÖRKENDÖRFER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. <u>//</u> <u>/</u>



	Date:	Signature of Inventor:
2.		<u>\</u>
3.		٧
4.		٧
5.		<u>√</u>
6.		N / M
7.	01 26/15	Null kt
8.		V
9.		<u>v</u>
10.		<u>√</u>
11.		<u>√</u>
12.		<u>V</u>
13.	_/_/	<u>√</u>
14.		<u>√</u>
15.		<u><u>v</u></u>
16.		<u>y</u>
17.		٧
18.		<u>v</u>
19.		<u>√</u>
20.		<u>√</u>

Steme, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

Name:

Bartley K, ANDRE Shota AOYAGI Anthony Michael ASHCROFT Jeremy BATAILLOU Daniel J. COSTER Daniele DE IULIIS M. Evans HANKEY Julian HOENIG Richard P. HOWARTH Jonathan P. IVE Duncan Robert KERR Marc A, NEWSON Matthew Dean ROHRBACH Peter RUSSELL-CLARKE Benjamin Andrew SHAFFER Mikael SILVANTO Christopher J. STRINGER Eugene Antony WHANG

Rico ZÖRKENDÖRFER

Page 2 of 2



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

1. _/_/__

PATENT REEL: 034998 FRAME: 0676

Name:

Jody AKANA



Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty, Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:
2.			Bartley K. ANDRE
3.		<u><u>v</u>ⁱ</u>	Shota AOYAG1
4.		<u>v</u>	Anthony Michael ASHCROFT
5.		<u>v</u>	Jeremy BATAILLOU
6.			Daniel J. COSTER
7.		V	Daniele DE IULIIS
8.	1 13/15	Min	M. Evans HANKEY
9.		×	Julian HOENIG
10.		<u>/</u>	Richard P. HOWARTH
11.		<u>√</u>	Jonathan P. IVE
12.			Duncan Robert KERR
13.		<u>√</u>	Marc A. NEWSON
14.		4	Matthew Dean ROHRBACH
15.		<u>v</u>	Peter RUSSELL-CLARKE
16.		<u>√</u>	Benjamin Andrew SHAFFER
17.		<u>√</u>	Mikael SILVANTO
18.		<u>√</u>	Christopher J. STRINGER
19.		√	Eugene Antony WHANG
20.		<u>V</u>	Rico ZÖRKENDÖRFER

Page 2 of 2



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. <u>/ /</u> <u>/</u>

Sterne Kessler	
Goldstein Fox	

Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:
2.		<u>√</u>	Bartley K. ANDRE
3.		<u>√</u>	Shota AOYAGI
4.		<u>√</u>	Anthony Michael ASHCROFT
5.		<u>\</u>	Jeremy BATAILLOU
6.		1	Daniel J. COSTER
7.		<u> </u>	Daniele DE IULIIS
8.		×	M. Evans HANKEY
9.	01,19,15	ne-	Julian HOENIG
10.		1	Richard P. HOWARTH
11.		1	Jonathan P. IVE
12.		<u>√</u>	Duncan Robert KERR
13.		<u>√</u>	Marc A. NEWSON
14.		1	Matthew Dean ROHRBACH
15.		4	Peter RUSSELL-CLARKE
16.		٨	Benjamin Andrew SHAFFER
17.		<u>√</u>	Mikael SILVANTO
18.		√	Christopher J. STRINGER
19.		٧	Eugene Antony WHANG
20.		√	Rico ZÖRKENDÖRFER

Page 2 of 2



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

	Date:	Signature of Inventor:	Name:
1.	/	<u>√</u>	Jody AKANA

	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein Appl. 1 Atty. Docket No. 2607.802000
	Date:	Signature of Inventor:	Name:
2.		<u>√</u>	Bartley K. ANDRE
3.	<u> </u>	<u>N</u>	Shota AOYAGI
4.		٧	Anthony Michael ASHCROFT
5.		\checkmark	Jeremy BATAILLOU
б.		<u>√</u>	Daniel J. COSTER
7.		<u>√</u>	Daniele DE IULIIS
8.		٧	M. Evans HANKEY
9.		<u>v</u>	Julian HOENIG
10.	12015	+HON262	Richard P. HOWARTH
11.		<u>vi</u>	Jonathan P. IVE
12.		٧	Duncan Robert KERR
13.		x ¹	Marc A. NEWSON
14.		ý	Matthew Dean ROHRBACH
15.		<u>√</u>	Peter RUSSELL-CLARKE
16.		<u>\</u>	Benjamin Andrew SHAFFER
17.		N ⁱ	Mikael SILVANTO
18.		<u>N</u>	Christopher J. STRINGER
19.	/	1	Eugene Antony WHANG
20.		N	Rico ZÖRKENDÖRFER

essler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 No. 2607.8020000(P24558US1)



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. _/_/_____

Sterne Kessler	
Goldstein Fox	

Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:
2.		<u>√</u>	Bartley K. ANDRE
3.	<u> </u>	V	Shota AOYAGI
4.		<u>√</u>	Anthony Michael ASHCROFT
5.	1	¥	Jeremy BATAILLOU
6.		<u>\</u>	Daniel J. COSTER
7.		<u>\</u>	Daniele DE IULIIS
8.		√	M. Evans HANKEY
9.		<u>√</u>	Julian HOENIG
10.		<u>√</u> 1	Richard P. HOWARTH
11.	215/15		Jonathan P. IVE
12.		<u>V</u>	Duncan Robert KERR
13.		<u>√</u>	Marc A. NEWSON
14.		¥	Matthew Dean ROHRBACH
15.			Peter RUSSELL-CLARKE
16.			Benjamin Andrew SHAFFER
17.	/	<u>√</u>	Mikael SILVANTO
18.		<u>√</u>	Christopher J. STRINGER
19.		₩	Eugene Antony WHANG
20.		<u>√</u>	Rico ZÖRKENDÖRFER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: S

Signature of Inventor:

Name:

Jody AKANA

1. <u>/ /</u> <u>√</u>

Sterne Kessler	
Goldstein Fox	

Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:	
2.		<u>v</u>	Bartley K. ANDRE	
3.		√	Shota AOYAGI	
4.	/	**	Anthony Michael ASHCROFT	
5.	/	1	Jeremy BATAILLOU	
б.		<u>V</u>	Daniel J. COSTER	
7.		V ¹	Daniele DE IULIIS	
8.			M. Evans HANKEY	
9.		<u>√</u>	Julian HOENIG	
10.		<u>v</u>	Richard P. HOWARTH	
11.		4	Jonathan P. IVE	
12.	01/19/2015	· Dherr	Duncan Robert KERR	
13.		1	Marc A. NEWSON	
14.		<u>x</u> ¹	Matthew Dean ROHRBACH	
15.			Peter RUSSELL-CLARKE	
16.		<u>.</u>	Benjamin Andrew SHAFFER	
17.		<u>√</u>	Mikael SILVANTO	
18.	_/_/	<u>√</u>	Christopher J. STRINGER	
19.	/	<u>√</u>	Eugene Antony WHANG	
20.		<u>√</u>	Rico ZÖRKENDÖRFER	



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

1. / / _____

Jody AKANA

Sterne Kessler	
Goldstein Fox	

Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)

	Date:	Signature of Inventor:	Name:
2.		V.	Bartley K. ANDRE
3.		ý.	Shota AOYAGI
4.		1	Anthony Michael ASHCROFT
5.		<u>√</u>	Jeremy BATAILLOU
6.		<u>√</u>	Daniel J. COSTER
7.		<u>.</u>	Daniele DE IULIIS
8.		<u>√</u>	M. Evans HANKEY
9.		<u>×</u>	Julian HOENIG
10.		√	Richard P. HOWARTH
11.		<u>\</u>	Jonathan P. IVE
12.	_/_/	<u>v</u>	Duncan Robert KERR
13.	212/15	When a	Marc A. NEWSON
14.		<u>√</u>	Matthew Dean ROHRBACH
15.		¹	Peter RUSSELL-CLARKE
16.		V	Benjamin Andrew SHAFFER
17.		V	Mikael SILVANTO
18.		<u>V</u>	Christopher J. STRINGER
19.		<u>X</u>	Eugene Antony WHANG
20.		V.	Rico ZÖRKENDÖRFER

-



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. <u>//</u> <u>/</u>

and the second sec	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607,8020000(P24558US1)
	Date:	Signature of Inventor:	Name:
2.		٧	Bartley K. ANDRE
3.		J	Shota AOYAGI
4.		<u>√</u>	Anthony Michael ASHCROFT
5.		Ń	Jeremy BATAILLOU
6.	1 /	Ń	Daniel J. COSTER
7.		v ⁱ	Daniele DE IULIIS
8.		V	M. Evans HANKEY
9.		<u>v</u>	Julian HOENIG
10.		<u>s</u>	Richard P. HOWARTH
11.		٧	Jonathan P. IVE
12.		4	Duncan Robert KERR
13.		<u>v</u>	Marc A. NEWSON
14.	01/2415		Matthew Dean ROHRBACH
15.		<u>√</u>	Peter RUSSELL-CLARKE
16.		<u>\</u>	Benjamin Andrew SHAFFER
17.		4	Mikael SILVANTO
18.		1	Christopher J. STRINGER
19.		<u>√</u>	Eugene Antony WHANG
20.		1	Rico ZÖRKENDÖRFER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. // _____

Sterne Kessler Goldstein Fox			Sterne, Kessler, Goldste App Atty. Docket No. 2607.8020
	Date:	Signature of Inventor:	Name:
2.		<u>\</u>	Bartley K. ANDRE
3.	_/_/	¥	Shota AOYAGI
4.		1	Anthony Michael ASHCROFT
5.		<u> </u>	Jeremy BATAILLOU
6.	/	√	Daniel J. COSTER
7.		<u>L</u>	Daniele DE IULIIS
8.		٧	M. Evans HANKEY
9.		<u>1</u>	Julian HOENIG
10.		٧	Richard P. HOWARTH
11.		٧	Jonathan P. IVE
12.		٧	Duncan Robert KERR
13.		<u>1</u>	Marc A. NEWSON
14.	/	٧	Matthew Dean ROHRBACH
15.	1 23,15	Aulice	Peter RUSSELL-CLARKE
16.		<u>1</u>	Benjamin Andrew SHAFFER
17.		٧	Mikael SILVANTO
18.		J	Christopher J. STRINGER
19.		٧	Eugene Antony WHANG
20.		<u>J</u>	Rico ZÖRKENDÖRFER

sler, Goldstein & Fox P.L.I..C. Appl. No. 29/499,084 2607.8020000(P24558US1)



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

1. //_____

Jody AKANA

	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)
	Date:	Signature of Inventor:	Name:
2.		<u>vi</u>	Bartley K. ANDRE
3.		<u>V</u>	Shota AOYAGI
4.		<u>v</u>	Anthony Michael ASHCROFT
5.		<u>√</u>	Jeremy BATAILLOU
6.		Ń	Daniel J. COSTER
7.		<u>V</u>	Daniele DE IULIIS
8.		Ń	M. Evans HANKEY
9.		N	Julian HOENIG
10.		<u>\</u>	Richard P. HOWARTH
11.		<u>V</u>	Jonathan P. IVE
12.		<u>\</u>	Duncan Robert KERR
13.		<u>v</u>	Marc A. NEWSON
14.		<u>×</u>	Matthew Dean ROHRBACH
15.		×	Peter RUSSELL-CLARKE
16.	1.19.15	*	Benjamin Andrew SHAFFER
17.		٧	Mikael SILVANTO
18.		√	Christopher J. STRINGER
19.	/	1	Eugene Antony WHANG
20.		¥	Rico ZÖRKENDÖRFER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. <u>/ /</u> <u>\</u>

	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)
	Date:	Signature of Inventor:	Name:
2.		<u>√</u>	Bartley K. ANDRE
3.		4	Shota AOYAGI
4.		<u>√</u>	Anthony Michael ASHCROFT
5.		<u>√</u>	Jeremy BATAILLOU
6.		<u>\</u>	Daniel J. COSTER
7.	<u> </u>	<u>v</u>	Daniele DE IULIIS
8.		1	M. Evans HANKEY
9.		1	Julian HOENIG
10.		<u>√</u>	Richard P. HOWARTH
11.	_/_/	<u>√</u>	Jonathan P. IVE
12.	/	<u> </u>	Duncan Robert KERR
134		<u>√</u>	Marc A. NEWSON
14.		٧	Matthew Dean ROHRBACH
15.		1	Peter RUSSELL-CLARKE
16.		×	Benjamin Andrew SHAFFER
17.	19,15	× ///	Mikael SILVANTO
18.	_1_1_	<u><u>y</u></u>	Christopher J. STRINGER
19.		٧	Eugene Antony WHANG
20.	/	٩	Rico ZÖRKENDÖRFER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. // 🗸

Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)
Date:	Signature of Inventor:	Name:
	<u>√</u>	Bartley K. ANDRE
	<u>V</u>	Shota AOYAGI
	<u>\</u>	Anthony Michael ASHCROFT
	<u> </u>	Jeremy BATAILLOU
	<u>\</u>	Daniel J. COSTER
	<u>\</u>	Daniele DE IULIIS
	<u>\</u>	M. Evans HANKEY
	<u> </u>	Julian HOENIG
	<u>√</u>	Richard P. HOWARTH
/	<u>v</u>	Jonathan P. IVE
1 1	<u>√</u>	Duncan Robert KERR
	<u>√</u>	Marc A. NEWSON
	1	Matthew Dean ROHRBACH
	<u>√</u>	Peter RUSSELL-CLARKE
	<u>√</u>	Benjamin Andrew SHAFFER
	<u>v</u>	Mikael SILVANTO
119115	1 Com	Christopher J. STRINGER
	<u>√</u>	Eugene Antony WHANG
	<u>v</u>	Rico ZÖRKENDÖRFER
	Date: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Boldstein Fox



1.

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

 Date:
 Signature of Inventor:
 Name:

 / / _ _ _ _ Jody AKANA

and the second sec	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)
	Date:	Signature of Inventor:	Name:
2.		√	Bartley K. ANDRE
3.		<u>√</u>	Shota AOYAGI
4.	1	×.	Anthony Michael ASHCROFT
5.		1	Jeremy BATAILLOU
6.		J	Daniel J, COSTER
7.		√	Daniele DE IULIIS
8.		<u>\</u>	M. Evans HANKEY
9.		٧	Julian HOENIG
10.		√	Richard P. HOWARTH
11.		<u>√</u>	Jonathan P. IVE
12.		<u>√</u>	Duncan Robert KERR
13.		<u>√</u>	Marc A. NEWSON
14.		<u>\</u>	Matthew Dean ROHRBACH
15.		V.	Peter RUSSELL-CLARKE
16.		×	Benjamin Andrew SHAFFER
17.	_1_1	٧	Mikael SILVANTO
18.		4	Christopher J. STRINGER
19.	01,19,15	1 ert	Eugene Antony WHANG
20.		×	Rico ZÖRKENDÖRFER
		D	





For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Jody AKANA, Bartley K. ANDRE, Shota AOYAGI, Anthony Michael ASHCROFT, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Marc A. NEWSON, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, Benjamin Andrew SHAFFER, Mikael SILVANTO, Christopher J. STRINGER, Eugene Antony WHANG and Rico ZÖRKENDÖRFER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **Electronic Device** for which an application(s) for patent in the United States of America has been executed by the undersigned and has a filing date or a 371(c) date of August 11, 2014 (also known as United States Application No. 29/499,084), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all application(s) that claim the benefit of the patent application listed above in part (a), including nonprovisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all invention(s) described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that 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.

IN WITNESS WHEREOF, executed by the undersigned inventors on the dates opposite the undersigned names.

Date: Signature of Inventor:

Name:

Jody AKANA

1. <u>//</u> <u>/</u>

	Sterne Kessler Goldstein Fox		Sterne, Kessler, Goldstein & Fox P.L.L.C. Appl. No. 29/499,084 Atty. Docket No. 2607.8020000(P24558US1)
	Date:	Signature of Inventor:	Name:
2.	/	<u>√</u>	Bartley K. ANDRE
3.		×	Shota AOYAGI
4.		√	Anthony Michael ASHCROFT
5.		<u>√</u>	Jeremy BATAILLOU
6.		√	Daniel J. COSTER
7.		<u>×</u>	Daniele DE IULIIS
8.		1	M. Evans HANKEY
9.		√	Julian HOENIG
10.		<u>√</u>	Richard P. HOWARTH
11.		٧	Jonathan P. IVE
12.		<u></u>	Duncan Robert KERR
13.		<u>√</u>	Marc A. NEWSON
14.		1	Matthew Dean ROHRBACH
15.		٧	Peter RUSSELL-CLARKE
16.		٧	Benjamin Andrew SHAFFER
17.		Y	Mikael SILVANTO
18.		ý	Christopher J. STRINGER
19.		×	Eugene Antony WHANG
20.	01/1915	Page 2 of 2	Rico ZÖRKENDÖRFER
		~ ~	

PATENT REEL: 034998 FRAME: 0701

RECORDED: 02/20/2015