

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2666119

SUBMISSION TYPE:	NEW ASSIGNMENT																																				
NATURE OF CONVEYANCE:	ASSIGNMENT																																				
CONVEYING PARTY DATA																																					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr><td>JODY AKANA</td><td>10/09/2013</td></tr> <tr><td>BARTLEY K. ANDRE</td><td>10/14/2013</td></tr> <tr><td>SHOTA AOYAGI</td><td>10/10/2013</td></tr> <tr><td>JEREMY BATAILLOU</td><td>10/09/2013</td></tr> <tr><td>DANIEL J. COSTER</td><td>10/09/2013</td></tr> <tr><td>DANIELE DE IULIIS</td><td>10/09/2013</td></tr> <tr><td>M. EVANS HANKEY</td><td>11/14/2013</td></tr> <tr><td>JULIAN HOENIG</td><td>10/09/2013</td></tr> <tr><td>RICHARD P. HOWARTH</td><td>10/09/2013</td></tr> <tr><td>JONATHAN P. IVE</td><td>10/16/2013</td></tr> <tr><td>DUNCAN ROBERT KERR</td><td>10/24/2013</td></tr> <tr><td>MATTHEW DEAN ROHRBACH</td><td>10/09/2013</td></tr> <tr><td>PETER RUSSELL-CLARKE</td><td>10/28/2013</td></tr> <tr><td>MIKAEL SILVANTO</td><td>10/09/2013</td></tr> <tr><td>CHRISTOPHER J. STRINGER</td><td>10/09/2013</td></tr> <tr><td>EUGENE ANTONY WHANG</td><td>10/14/2013</td></tr> <tr><td>RICO ZÖRKENDÖRFER</td><td>10/10/2013</td></tr> </tbody> </table>		Name	Execution Date	JODY AKANA	10/09/2013	BARTLEY K. ANDRE	10/14/2013	SHOTA AOYAGI	10/10/2013	JEREMY BATAILLOU	10/09/2013	DANIEL J. COSTER	10/09/2013	DANIELE DE IULIIS	10/09/2013	M. EVANS HANKEY	11/14/2013	JULIAN HOENIG	10/09/2013	RICHARD P. HOWARTH	10/09/2013	JONATHAN P. IVE	10/16/2013	DUNCAN ROBERT KERR	10/24/2013	MATTHEW DEAN ROHRBACH	10/09/2013	PETER RUSSELL-CLARKE	10/28/2013	MIKAEL SILVANTO	10/09/2013	CHRISTOPHER J. STRINGER	10/09/2013	EUGENE ANTONY WHANG	10/14/2013	RICO ZÖRKENDÖRFER	10/10/2013
Name	Execution Date																																				
JODY AKANA	10/09/2013																																				
BARTLEY K. ANDRE	10/14/2013																																				
SHOTA AOYAGI	10/10/2013																																				
JEREMY BATAILLOU	10/09/2013																																				
DANIEL J. COSTER	10/09/2013																																				
DANIELE DE IULIIS	10/09/2013																																				
M. EVANS HANKEY	11/14/2013																																				
JULIAN HOENIG	10/09/2013																																				
RICHARD P. HOWARTH	10/09/2013																																				
JONATHAN P. IVE	10/16/2013																																				
DUNCAN ROBERT KERR	10/24/2013																																				
MATTHEW DEAN ROHRBACH	10/09/2013																																				
PETER RUSSELL-CLARKE	10/28/2013																																				
MIKAEL SILVANTO	10/09/2013																																				
CHRISTOPHER J. STRINGER	10/09/2013																																				
EUGENE ANTONY WHANG	10/14/2013																																				
RICO ZÖRKENDÖRFER	10/10/2013																																				
RECEIVING PARTY DATA																																					
Name:	APPLE INC.																																				
Street Address:	1 INFINITE LOOP																																				
City:	CUPERTINO																																				
State/Country:	CALIFORNIA																																				
Postal Code:	95014																																				
PROPERTY NUMBERS Total: 1																																					
Property Type	Number																																				
Application Number:	29466582																																				

CORRESPONDENCE DATA

Fax Number: (202)371-2540
Phone: 202-371-2600
Email: ewong@skgf.com
Correspondence will be sent via US Mail when the email attempt is unsuccessful.
Correspondent Name: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C
Address Line 1: 1100 NEW YORK AVENUE NW
Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20005

NAME OF SUBMITTER:	ERIN C. WONG
Signature:	/Erin C. Wong, Reg. No. 61,831/
Date:	01/03/2014

Total Attachments: 51

source=2607_6690000_Inventors_To_Apple_Assignment#page1.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page2.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page3.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page4.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page5.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page6.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page7.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page8.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page9.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page10.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page11.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page12.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page13.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page14.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page15.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page16.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page17.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page18.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page19.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page20.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page21.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page22.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page23.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page24.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page25.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page26.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page27.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page28.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page29.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page30.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page31.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page32.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page33.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page34.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page35.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page36.tif

source=2607_6690000_Inventors_To_Apple_Assignment#page37.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page38.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page39.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page40.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page41.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page42.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page43.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page44.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page45.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page46.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page47.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page48.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page49.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page50.tif
source=2607_6690000_Inventors_To_Apple_Assignment#page51.tif

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

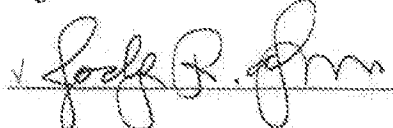
The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection 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>✓ 10.9.13</u>	<u>✓ </u>	<u>Jody AKANA</u>
2.	<u>✓</u>	<u>✓</u>	<u>Bartley K. ANDRE</u>
3.	<u>✓</u>	<u>✓</u>	<u>Shota AOYAGI</u>

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

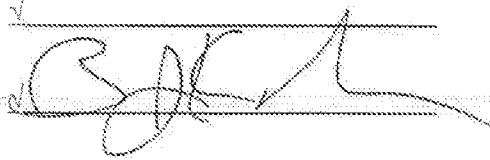
The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection 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
2.	10/14/13		Bartley K. ANDRE
3.	✓	✓	Shota AOYAGI

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>	<u>✓</u>	<u>Jody AKANA</u>
2.	<u>✓</u>	<u>✓</u>	<u>Bartley K. ANDRE</u>
3.	<u>10.10.13</u>	<u></u>	<u>Shota AOYAGI</u>

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Atty. Docket No. 2607.6690000(P20998US1)

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>	<u>✓</u>	<u>Jody AKANA</u>
2.	<u>✓</u>	<u>✓</u>	<u>Bartley K. ANDRE</u>
3.	<u>✓</u>	<u>✓</u>	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>10.09.13</u>	<u>10.09.13</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>Jody AKANA</u>
2.	✓ _____	✓ _____	<u>Bartley K. ANDRE</u>
3.	✓ _____	✓ _____	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	✓	✓	<u>Jeremy BATAILLOU</u>
5.	✓ 12.9.13	✓ 	<u>Daniel J. COSTER</u>
6.	✓	✓	<u>Daniele DE IULIIS</u>
7.	✓	✓	<u>M. Evans HANKEY</u>
8.	✓	✓	<u>Julian HOENIG</u>
9.	✓	✓	<u>Richard P. HOWARTH</u>
10.	✓	✓	<u>Jonathan P. IVE</u>
11.	✓	✓	<u>Duncan Robert KERR</u>
12.	✓	✓	<u>Matthew Dean ROHRBACH</u>
13.	✓	✓	<u>Peter RUSSELL-CLARKE</u>
14.	✓	✓	<u>Mikael SILVANTO</u>
15.	✓	✓	<u>Christopher J. STRINGER</u>
16.	✓	✓	<u>Eugene Antony WHANG</u>
17.	✓	✓	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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>	<u>✓</u>	<u>Jody AKANA</u>
2.	<u>✓</u>	<u>✓</u>	<u>Bartley K. ANDRE</u>
3.	<u>✓</u>	<u>✓</u>	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓ 10/9/13</u>	<u>✓ [Signature]</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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.

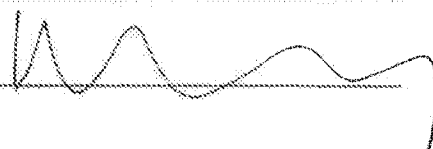
The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation 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>	<u>✓</u>	<u>Jody AKANA</u>
2.	<u>✓</u>	<u>✓</u>	<u>Bartley K. ANDRE</u>
3.	<u>✓</u>	<u>✓</u>	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	✓	✓	<u>Jeremy BATAILLOU</u>
5.	✓	✓	<u>Daniel J. COSTER</u>
6.	✓	✓	<u>Daniele DE IULIIS</u>
7.	✓ 1114.13	✓ 	<u>M. Evans HANKEY</u>
8.	✓	✓	<u>Julian HOENIG</u>
9.	✓	✓	<u>Richard P. HOWARTH</u>
10.	✓	✓	<u>Jonathan P. IVE</u>
11.	✓	✓	<u>Duncan Robert KERR</u>
12.	✓	✓	<u>Matthew Dean ROHRBACH</u>
13.	✓	✓	<u>Peter RUSSELL-CLARKE</u>
14.	✓	✓	<u>Mikael SILVANTO</u>
15.	✓	✓	<u>Christopher J. STRINGER</u>
16.	✓	✓	<u>Eugene Antony WHANG</u>
17.	✓	✓	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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.

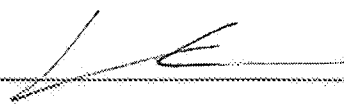
The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation 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>Jody AKANA</u>
2.	✓ _____	✓ _____	<u>Bartley K. ANDRE</u>
3.	✓ _____	✓ _____	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓ 10.09.2013</u>	<u></u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>	<u>✓</u>	<u>Jody AKANA</u>
2.	<u>✓</u>	<u>✓</u>	<u>Bartley K. ANDRE</u>
3.	<u>✓</u>	<u>✓</u>	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>10-9-13</u>	<u></u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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.

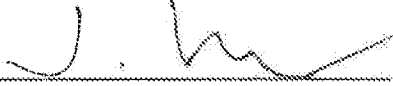
The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation 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>Jody AKANA</u>
2.	✓ _____	✓ _____	<u>Bartley K. ANDRE</u>
3.	✓ _____	✓ _____	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	✓	✓	<u>Jeremy BATAILLOU</u>
5.	✓	✓	<u>Daniel J. COSTER</u>
6.	✓	✓	<u>Daniele DE IULIIS</u>
7.	✓	✓	<u>M. Evans HANKEY</u>
8.	✓	✓	<u>Julian HOENIG</u>
9.	✓	✓	<u>Richard P. HOWARTH</u>
10.	✓ 10/16/13	✓ 	<u>Jonathan P. IVE</u>
11.	✓	✓	<u>Duncan Robert KERR</u>
12.	✓	✓	<u>Matthew Dean ROHRBACH</u>
13.	✓	✓	<u>Peter RUSSELL-CLARKE</u>
14.	✓	✓	<u>Mikael SILVANTO</u>
15.	✓	✓	<u>Christopher J. STRINGER</u>
16.	✓	✓	<u>Eugene Antony WHANG</u>
17.	✓	✓	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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
2.	✓ _____	✓ _____	Bartley K. ANDRE
3.	✓ _____	✓ _____	Shota AOYAGI



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	✓	✓	<u>Jeremy BATAILLOU</u>
5.	✓	✓	<u>Daniel J. COSTER</u>
6.	✓	✓	<u>Daniele DE IULIIS</u>
7.	✓	✓	<u>M. Evans HANKEY</u>
8.	✓	✓	<u>Julian HOENIG</u>
9.	✓	✓	<u>Richard P. HOWARTH</u>
10.	✓	✓	<u>Jonathan P. IVE</u>
11.	✓	✓	<u>Duncan Robert KERR</u>
12.	✓	✓	<u>Matthew Dean ROHRBACH</u>
13.	✓	✓	<u>Peter RUSSELL-CLARKE</u>
14.	✓	✓	<u>Mikael SILVANTO</u>
15.	✓	✓	<u>Christopher J. STRINGER</u>
16.	✓	✓	<u>Eugene Antony WHANG</u>
17.	✓	✓	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>Jody AKANA</u>
2.	✓ _____	✓ _____	<u>Bartley K. ANDRE</u>
3.	✓ _____	✓ _____	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓ 10-09-13</u>	<u>✓</u> 	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>Jody AKANA</u>
2.	✓ _____	✓ _____	<u>Bartley K. ANDRE</u>
3.	✓ _____	✓ _____	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	✓	✓	<u>Jeremy BATAILLOU</u>
5.	✓	✓	<u>Daniel J. COSTER</u>
6.	✓	✓	<u>Daniele DE IULIIS</u>
7.	✓	✓	<u>M. Evans HANKEY</u>
8.	✓	✓	<u>Julian HOENIG</u>
9.	✓	✓	<u>Richard P. HOWARTH</u>
10.	✓	✓	<u>Jonathan P. IVE</u>
11.	✓	✓	<u>Duncan Robert KERR</u>
12.	✓	✓	<u>Matthew Dean ROHRBACH</u>
13.	✓ 10-28-13	✓ 	<u>Peter RUSSELL-CLARKE</u>
14.	✓	✓	<u>Mikael SILVANTO</u>
15.	✓	✓	<u>Christopher J. STRINGER</u>
16.	✓	✓	<u>Eugene Antony WHANG</u>
17.	✓	✓	<u>Rico ZÖRKENDÖRFER</u>

1754329v1



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Atty. Docket No. 2607.6690000(P20998US1)

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>Jody AKANA</u>
2.	✓ _____	✓ _____	<u>Bartley K. ANDRE</u>
3.	✓ _____	✓ _____	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓ 10/9/13</u>	<u>✓ </u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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
2.	✓	✓	Bartley K. ANDRE
3.	✓	✓	Shota AOYAGI



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓ 10/9/13</u>	<u>✓ </u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Atty. Docket No. 2607.6690000(P20998US1)

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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.

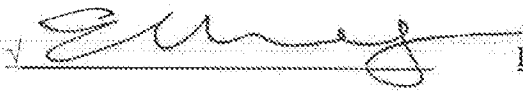
The undersigned inventors hereby grant the patent practitioners associated with **CUSTOMER NUMBER 63975** the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation 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>	<u>✓</u>	<u>Jody AKANA</u>
2.	<u>✓</u>	<u>✓</u>	<u>Bartley K. ANDRE</u>
3.	<u>✓</u>	<u>✓</u>	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE IULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓ 10-14-13</u>	<u>✓ </u>	<u>Eugene Antony WHANG</u>
17.	<u>✓</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

(754329v1)

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, Jeremy BATAILLOU, Daniel J. COSTER, Daniele DE IULIIS, M. Evans HANKEY, Julian HOENIG, Richard P. HOWARTH, Jonathan P. IVE, Duncan Robert KERR, Matthew Dean ROHRBACH, Peter RUSSELL-CLARKE, 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, California 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 September 9, 2013 (also known as United States Application No. 29/466,582), 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 non-provisional 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



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

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>Jody AKANA</u>
2.	✓ _____	✓ _____	<u>Bartley K. ANDRE</u>
3.	✓ _____	✓ _____	<u>Shota AOYAGI</u>



Sterne, Kessler, Goldstein & Fox P.L.L.C.
Appl. No. 29/466,582
Atty. Docket No. 2607.6690000(P20998US1)

4.	<u>✓</u>	<u>✓</u>	<u>Jeremy BATAILLOU</u>
5.	<u>✓</u>	<u>✓</u>	<u>Daniel J. COSTER</u>
6.	<u>✓</u>	<u>✓</u>	<u>Daniele DE JULIIS</u>
7.	<u>✓</u>	<u>✓</u>	<u>M. Evans HANKEY</u>
8.	<u>✓</u>	<u>✓</u>	<u>Julian HOENIG</u>
9.	<u>✓</u>	<u>✓</u>	<u>Richard P. HOWARTH</u>
10.	<u>✓</u>	<u>✓</u>	<u>Jonathan P. IVE</u>
11.	<u>✓</u>	<u>✓</u>	<u>Duncan Robert KERR</u>
12.	<u>✓</u>	<u>✓</u>	<u>Matthew Dean ROHRBACH</u>
13.	<u>✓</u>	<u>✓</u>	<u>Peter RUSSELL-CLARKE</u>
14.	<u>✓</u>	<u>✓</u>	<u>Mikael SILVANTO</u>
15.	<u>✓</u>	<u>✓</u>	<u>Christopher J. STRINGER</u>
16.	<u>✓</u>	<u>✓</u>	<u>Eugene Antony WHANG</u>
17.	<u>W. I. B.</u>	<u>✓</u>	<u>Rico ZÖRKENDÖRFER</u>

1754329v1