# 503509838 10/05/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3556464

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DA	ATA			
		Name	Execution Date	
CHARLES A. SCHWALE	ACH		06/11/2015	
DAVID SAMUEL KUMKA	۸		05/28/2015	
RUSSELL JOHN KAAIHI	JE HEIR	AKUJI	05/28/2015	
CARLY LYNN MARASCO	C		05/28/2015	
FRANK CRAIG THALER			07/29/2015	
RECEIVING PARTY DA	ТА			
Name:	APPLE I	NC.		
Street Address:	1 INFINI	TE LOOP		
City:	CUPER	ΓΙΝΟ		
State/Country:	CALIFO	RNIA		
Postal Code:	95014			
PROPERTY NUMBERS Property Type		Number		
Application Number:	2	9516911		
CORRESPONDENCE D	ΑΤΑ			
Fax Number:	(1	202)371-2540		
•		the e-mail address first; if that is un		
Phone:	-	if that is unsuccessful, it will be se	nt via US Mall.	
Phone:(202) 371-2600Email:ACURCIO@SKGF.COM,JHALL@SKGF.COM			F.COM	
Correspondent Name: STERNE, KESSLER, GOLDSTEIN & FOX PLLC				
Address Line 1:	1100 NEW YORK AVENUE, N.W.			
Address Line 4:	۷	VASHINGTON, D.C. 20005		
ATTORNEY DOCKET NUMBER: 2607.8760000				
NAME OF SUBMITTER:		DANIEL A. GAJEWSKI		
SIGNATURE:		/Daniel A. Gajewski #64,515/	/Daniel A. Gajewski #64,515/	
DATE SIGNED:		10/05/2015	10/05/2015	
Total Attachments: 8 source=2607 8760000 AS	SIGNMEI	NT#page1.tif		

source=2607 8760000 ASSIGNMENT#page2.tif	
source=2607 8760000 ASSIGNMENT#page3.tif	
source=2607 8760000 ASSIGNMENT#page4.tif	
source=2607 8760000 ASSIGNMENT#page5.tif	
source=2607 8760000 ASSIGNMENT#page6.tif	
source=2607 8760000 ASSIGNMENT#page7.tif	
source=2607 8760000 ASSIGNMENT#page8.tif	

Sterne Kessler **Goldstein** Fox

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Charles A. SCHWALBACH, David Samuel KUMKA, Russell John Kaaihue HEIRAKUJI, Carly Lynn MARASCO and Frank Craig THALER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **TABLE** 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 February 6, 2015 (also known as United States Application No. 29/516,911), 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 continuationin-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.	6 11115	Monly A. Scheelbach	Charles A. SCHWALBACH
2.	/_/	\	David Samuel KUMKA
3.			Russell John Kaaihue HEIRAKUJI
4.		1	Carly Lynn MARASCO
5.		<u> </u>	Frank Craig THALER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: **Charles A. SCHWALBACH, David Samuel KUMKA, Russell John Kaaihue HEIRAKUJI, Carly Lynn MARASCO and Frank Craig THALER,** the undersigned hereby sell and assign to **Apple Inc.**, a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **TABLE** 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 February 6, 2015 (also known as United States Application No. 29/516,911), 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 continuationin-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.		1	Charles A. SCHWALBACH
2.	05/28/15	× Juli	David Samuel KUMKA
3.	//	V	Russell John Kaaihue HEIRAKUJI
4.	//	V	Carly Lynn MARASCO
5.	/ /		Frank Craig THALER



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Charles A. SCHWALBACH, David Samuel KUMKA, Russell John Kaaihue HEIRAKUJI, Carly Lynn MARASCO and Frank Craig THALER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **TABLE** 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 February 6, 2015 (also known as United States Application No. 29/516,911), 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 continuationin-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.		1	Charles A. SCHWALBACH
2.			David Samuel KUMKA
3.	5,28,2015	V. Construction and a second an	Russell John Kaaihue HEIRAKUJI
4.	5,28,15	V Caly Ma	Carly Lynn MARASCO
5.		<u>v 0</u>	Frank Craig THALER

Page 2 of 2



For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by each of the undersigned inventors: Charles A. SCHWALBACH, David Samuel KUMKA, Russell John Kaaihue HEIRAKUJI, Carly Lynn MARASCO and Frank Craig THALER, the undersigned hereby sell and assign to Apple Inc., a corporation formed under the laws of the State of California, whose mailing address is 1 Infinite Loop, Cupertino, CA 95014 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world,

(a) in the invention(s) known as **TABLE** 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 February 6, 2015 (also known as United States Application No. 29/516,911), 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 continuationin-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>	Charles A. SCHWALBACH
2.	//	V	David Samuel KUMKA
3.		<u> </u>	Russell John Kaaihue HEIRAKUJI
4.		¥7	Carly Lynn MARASCO
5.	7 129 201	5 four Cray	Frank Craig THALER
5.	7 129 201	5 frank Cray	Frank Craig THALER

Page 2 of 2

**RECORDED: 10/05/2015**