502371516 06/04/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Todd S. Sachs	04/08/2013
Marius Tico	04/02/2013
Rolf Toft	05/30/2013
Paul M. Hubel	04/15/2013
George E. Williams	04/08/2013

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:	13909700

CORRESPONDENCE DATA

Fax Number: 8324462424

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 832-446-2400

Email: WCPATENTS@COUNSELIP.COM

Correspondent Name: (Apple) WONG, CABELLO, LUTSCH, RUTHERFOR

Address Line 1: 20333 Tomball Parkway

Address Line 2: SUITE 600

Address Line 4: HOUSTON, TEXAS 77070

ATTORNEY DOCKET NUMBER:	P17294US1 (119-0504US1)		
NAME OF SUBMITTER:	Coe F. Miles		
	PATENT		

502371516 REEL: 030543 FRAME: 0869

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Signature:	/Coe F. Miles/
Date:	06/04/2013
Total Attachments: 8 source=P17294US1_Assignments#page1.tif source=P17294US1_Assignments#page2.tif source=P17294US1_Assignments#page3.tif source=P17294US1_Assignments#page4.tif source=P17294US1_Assignments#page5.tif source=P17294US1_Assignments#page6.tif source=P17294US1_Assignments#page7.tif source=P17294US1_Assignments#page8.tif	

PATENT REEL: 030543 FRAME: 0870

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to APPLE INC., (the "Assignee"), a corporation of California having a place of business at 1 Infinite Loop, Cupertino, California 95014 the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent identified above, such application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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

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

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

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

PATENT REEL: 030543 FRAME: 0871

entitled: Dynamic Bracketing Operations for Image Stabilization ("APPLICATION"), which: \boxtimes is to be filed herewith; was filed on _____, now bearing U.S. Serial Number _____ and for which a Declaration was executed by INVENTOR on the date(s) below; and 02 / 04 / 2013 Executed on by Marius Tico Date Executed on by Rolf Toft Date Executed on April 8th, 2013 by Date Todd S. Sachs Executed on by Paul M. Hubel Date

Executed on

Date

The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent

by

George E. Williams

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to APPLE INC., (the "Assignee"), a corporation of California having a place of business at 1 Infinite Loop, Cupertino, California 95014 the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent identified above, such application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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

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

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

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

in

entitled: Dynamic Bracketing Operations for Image Stabilization ("APPLICATION"), which: is to be filed herewith; was filed on _____ now bearing U.S. Serial Number ____ and for which a Declaration was executed by INVENTOR on the date(s) below; and Executed on by Date Marius Tico Executed on by Executed on by Date Todd S. Sachs Executed on by Date Paul M. Hubel

Executed on

Date

The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent

83

George E. Williams

Atty. Ref.: P17294US1 (119-0504US1)

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to APPLE INC., (the "Assignee"), a corporation of California having a place of business at 1 Infinite Loop, Cupertino, California 95014 the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent identified above, such application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

ž.

The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: **Dynamic Bracketing Operations for Image Stabilization** ("APPLICATION"), which:

\boxtimes	is to be filed herewith;				
	was filed on, now bearing U.S. Serial Number and for which a Declaration was executed by INVENTOR on the date(s) below; and				
Executed on	Date	by	Marius Tico		
Executed on	Date	by	Rolf Toft		
Executed on	Date	by	Todd S. Sachs		
Executed on	<u>IS April 2015</u> Date	by (Paul M. Hubel		
Executed on	Date	by	George E. Williams		

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to APPLE INC., (the "Assignee"), a corporation of California having a place of business at 1 Infinite Loop, Cupertino, California 95014 the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent identified above, such application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

PATENT REEL: 030543 FRAME: 0877 The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: Dynamic Bracketing Operations for Image Stabilization ("APPLICATION"), which:

\boxtimes	is to be filed herewith;				
	was filed on, now bearing U.S. Serial Number and for which a Declaration was executed by INVENTOR on the date(s) below; and				
Executed on	Date	by	Marius Tico	<u></u> .	
Executed on	Date	by	Rolf Toft		
Executed on	Date	by	Todd S. Sachs		
Executed on	Date	by	Paul M. Hubel		
Executed on	<u>4/3/2011</u> Date	<u>\$by</u>	George E. Williams	months of the second	