PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PETER F. HOLLAND	09/22/2014
BRIJESH TRIPATHI	09/22/2014
JOSHUA P. DE CESARE	09/22/2014
ARTHUR L. SPENCE	09/22/2014
CHRISTOPHER P. TANN	09/29/2014
PAOLO SACCHETTO	09/29/2014

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:	14500570

CORRESPONDENCE DATA

Fax Number: (512)853-8801

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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MEYERTONS, HOOD, KIVLIN, KOWERT & G (APP **Correspondent Name:**

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Address Line 4: AUSTIN, TEXAS 78767-0398

ATTORNEY DOCKET NUMBER:	8888-34600
NAME OF SUBMITTER:	RORY D. RANKIN
SIGNATURE:	/Rory D. Rankin/
DATE SIGNED:	09/29/2014

Total Attachments: 7

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PATENT REEL: 033843 FRAME: 0609

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to <u>Apple Inc.</u> (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of California, and having its principal place of business at <u>1 Infinite Loop, Cupertino, CA 95014</u>, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled <u>REDUCED FRAME REFRESH RATE</u>, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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

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

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

nominees of the Assigns. Date: 9/22/2014 (Signature) Peter F. Holland Name: (Signature) _____ Name: Brijesh Tripathi Date: Date: Name: (Signature) _______Name: Arthur L. Spence Date: Date: Date: (Signature) ____ Paolo Sacchetto Name:

COVENANT AND AGREE that the above is and will be binding on the heirs, assigns,

representatives and successors of the undersigned and extend to the successors, assigns and

Customer No. 81310

Rory D. Rankin Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398 Austin, TX 78767-0398

(Signature)		Date:
Name:	Peter F. Holland	
(Signature) Name:	Brijesh Tripathi	Date: 4/22/2014
(Signature)	Yalan Nata G	Date:
Name:	Joshua P. de Cesare	
(Signature) Name:	Arthur L. Spence	Date:
(Signature)		Date:
Name:	Christopher P. Tann	
(Signature)		Date:
Name:	Paolo Sacchetto	

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(Signature))	Date:
Name:	Peter F. Holland	
(Signature)	j	Date:
Name:	Brijesh Tripathi	
(Signature)	Joshua P. de Cesare	Date: 9/22/2014
rame.	s Joshua F. de Cesare	
(Signature)		Date:
Name:	Arthur L. Spence	
(Signature)		Date:
Name:	Christopher P. Tann	
(Signature)		Date:
	Paolo Sacchetto	

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Name:	Peter F. Holland	
(Signature)		Date:
Name:	Brijesh Tripathi	
(Signature)	Joshua P. de Cesare	Date:
Name:	Joshua P. de Cesare	
(Signature)	Arthur L. Spence	Date: <u>9/27/704</u>
Name:	Arthur L. Spence	
(Signature)		Date:
Name:	Christopher P. Tann	
(Signature)	Paolo Sacchetto	
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Name:	Brijesh Tripathi	
(Signature)		Date:
Name:	Joshua P. de Cesare	
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Name:	Arthur L. Spence Christopher P. Tann	×' 3
(Signature)		Date: 09/24/2014
Name:	Christopher P. Tann	
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(Signature)_	Brijesh Tripathi	Date:
Name:	Brijesh Tripathi	
(Signature)_		Date:
Name:	Joshua P. de Cesare	
(Signature)		Date:
Name:	Arthur L. Spence	
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Name:	Christopher P. Tann	Date.
(Simpotura)	Pada Seculto	Date: 9/29/14
voignature) Name:	Paolo Sacchetto	Date:

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