501896692 04/23/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
James B. Keller	04/16/2012
John H. Mylius	03/27/2012
Conrado Blasco-Allue	03/29/2012
Gerard R. Williams III	03/27/2012
Suparn Vats	03/27/2012

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:	13447651

CORRESPONDENCE DATA

 Fax Number:
 (512)853-8801

 Phone:
 512-853-8800

Email: ppolnick@intprop.com

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

via US Mail.

Correspondent Name: Meyertons Hood Kivlin Kowert & Goetzel

Address Line 1: P.O. Box 398

Address Line 4: Austin, TEXAS 78767-0398

ATTORNEY DOCKET NUMBER:	5888-44500
NAME OF SUBMITTER:	Rory D. Rankin

REEL: 028088 FRAME: 0517

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Total Attachments: 8 source=P12942US1_Assignment_5888-44500#page1.tif source=P12942US1_Assignment_5888-44500#page2.tif source=P12942US1_Assignment_5888-44500#page3.tif source=P12942US1_Assignment_5888-44500#page4.tif source=P12942US1_Assignment_5888-44500#page5.tif source=P12942US1_Assignment_5888-44500#page6.tif source=P12942US1_Assignment_5888-44500#page7.tif source=P12942US1_Assignment_5888-44500#page8.tif

PATENT REEL: 028088 FRAME: 0518

<u>ASSIGNMENT</u>

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

SELL, ASSIGN AND TRANSFER to Apple Inc. (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 1 Infinite Loop, Cupertino, CA 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, which has been executed by the undersigned concurrently herewith, and is entitled ZERO CYCLE MOVE, 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 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, 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;

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 nominees of the Assigns.

(Signature) Name:	James B. Keller	Date: 4/14/12
(Signature) Name:	John H. Mylius	
(Signature) Name:	Conrado Blasco-Allue	Date:
(Signature) Name:	Gerard R Williams III	Date:
(Signature)	Simaro Vats	Date: pareinteriore de principal de la companya de

Customer No. 81310
Rory D. Rankin
Meyerions, Hood, Kivlin, Kowert & Goeizel, P.C.
P.O. Box 398
Austin, TX 78767-0398

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Page 1

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(Signature) Name:	James B. Keller	Date:
(Signature) Name:	John H. Mylius	Date: 3/27/2012
(Signature) Name:	Conrado Blasco-Allue	Date:
(Signature) Name:	Gerard R Williams III	Date:
(Signature) <u>~</u> Name:	Suparn Vats	Date: 03/27/2012

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(Signature)	Sa Code Real A Lection - Catalog - Lec	Date:
Name:	James B. Keller	
(Signature)		Date:
Name:	John H. Mylius	The state of the s
(Signature) Name:	Conrado Blasco-Allue	Date: 3/29/2012
(Signature) Name:	Gerard R Williams III	Date:
(Signature)	Suparn Vats	Date:

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Docket No. 5888-44500 P12942US1

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(Signature)	e de la la completa de la completa d	Dete:
Name:	James B. Keller	
(Signature) Name:	John H. Myljus	regeneral and calating isolar mad in province of any section of an
(Signature) Name:	Conrado Blasco-Allue	la dia dia produce Copie aliam di 1964 di 1964 di 1965 di 1965 River di 1965 di 1965 Produce di 1965 di 196 Produce di 1965
(Signature) Name:	Gerard R Williams III	Description of the second control of the sec
(Signature) Name:	Suparn Vats Hill the reduces on applying and	r peda (Date <u>Control Control Control</u> Control Contr

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RECORDED: 04/23/2012

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