

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Ralph Brunner</td> <td>06/10/2013</td> </tr> <tr> <td>Michael Chin</td> <td>06/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ralph Brunner	06/10/2013	Michael Chin	06/10/2013
Name	Execution Date						
Ralph Brunner	06/10/2013						
Michael Chin	06/10/2013						
RECEIVING PARTY DATA							
Name:	Apple Inc.						
Street Address:	1 Infinite Loop						
City:	Cupertino						
State/Country:	CALIFORNIA						
Postal Code:	95014						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13914051</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13914051		
Property Type	Number						
Application Number:	13914051						
CORRESPONDENCE DATA							
Fax Number:	8324462424						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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:	P20117US1 (119-0679US1)						
NAME OF SUBMITTER:	Coe F. Miles						
Signature:	/Coe F. Miles/						
Date:	06/10/2013						
Total Attachments: 2 source=P20117US1_Assignment#page1.tif source=P20117US1_Assignment#page2.tif							

CH \$40.00 13914051

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;

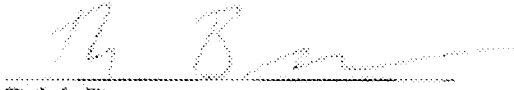
WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

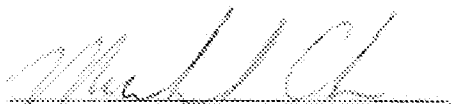
COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other patent applications on any and all such improvements; 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.

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: **Improved Autofocus ("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 June 10 2013 by 
Date Date Ralph Brunner

Executed on 6/10/13 by 
Date Date Michael Chin