

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sam Shiu</td> <td>03/30/2010</td> </tr> <tr> <td>Robert W. Schlub</td> <td>03/30/2010</td> </tr> <tr> <td>Ruben Caballero</td> <td>03/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	Sam Shiu	03/30/2010	Robert W. Schlub	03/30/2010	Ruben Caballero	03/17/2010		
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Apple Inc.</td> </tr> <tr> <td>Street Address:</td> <td>1 Infinite Loop</td> </tr> <tr> <td>City:</td> <td>Cupertino</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95014</td> </tr> </table>		Name:	Apple Inc.	Street Address:	1 Infinite Loop	City:	Cupertino	State/Country:	CALIFORNIA	Postal Code:	95014
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (415)837-0651</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: dkellogg@patentsgt.com</p> <p>Correspondent Name: David C. Kellogg</p> <p>Address Line 1: 870 Market Street</p> <p>Address Line 2: Suite 984</p> <p>Address Line 4: San Francisco, CALIFORNIA 94102</p>											
ATTORNEY DOCKET NUMBER:	P8882US1										
NAME OF SUBMITTER:	David C. Kellogg										
<p>Total Attachments: 2</p> <p>source=P8882US1_Assignment#page1.tif</p> <p>source=P8882US1_Assignment#page2.tif</p>											

OP \$40.00 12750660

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**PATENT**  
**REEL: 024168 FRAME: 0162**

A S S I G N M E N T

WHEREAS, We, Sam Shiu, Robert W. Schlub, and Ruben Caballero, residing respectively at 576 Heathertree Lane, San Jose, California 95129, 4099 Keith Drive, Campbell, California 95008, and 1330 Glenwood Avenue, San Jose, California 95125, have made an invention entitled:

## METHODS FOR FORMING CAVITY ANTENNAS

and are about to make an application for United States Letters Patent therefor, the same having been executed by us on even date herewith; and

WHEREAS, APPLE INC., a corporation organized and existing under the laws of the State of California and having an address of 1 Infinite Loop, Cupertino, California 95014, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto the said APPLE INC., its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations, continuations-in-part and divisions thereof, and any substitute applications therefor, and including the right to claim priority under the International Convention based on said patent application, and any patent which may

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issue thereon, and any reissues of the same; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same;

and we hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said APPLE INC. as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names on the dates indicated hereinafter.

3/30/10  
Date

Sam Shiu  
Sam Shiu

3/30/2010  
Date

Robert W. Schlub  
Robert W. Schlub

17 MAR 10  
Date

Ruben Caballero  
Ruben Caballero