

PATENT ASSIGNMENT

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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>Enrique Ayala Vazquez</td><td>09/24/2008</td></tr><tr><td>Hao Xu</td><td>09/24/2008</td></tr><tr><td>Gregory A. Springer</td><td>09/24/2008</td></tr><tr><td>Bing Chiang</td><td>09/24/2008</td></tr><tr><td>Eduardo Lopez Camacho</td><td>09/24/2008</td></tr><tr><td>Douglas B. Kough</td><td>09/24/2008</td></tr></tbody></table>	Name	Execution Date	Enrique Ayala Vazquez	09/24/2008	Hao Xu	09/24/2008	Gregory A. Springer	09/24/2008	Bing Chiang	09/24/2008	Eduardo Lopez Camacho	09/24/2008	Douglas B. Kough	09/24/2008	
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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>12238385</td></tr></tbody></table>	Property Type	Number	Application Number:	12238385											
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CORRESPONDENCE DATA															
Fax Number: (415)837-0651 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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NAME OF SUBMITTER:	G. Victor Treyz														

OP \$40.00 12238385

PATENT

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REEL: 021588 FRAME: 0733

**Total Attachments: 3**

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**PATENT**

**REEL: 021588 FRAME: 0734**

A S S I G N M E N T

WHEREAS, We, Enrique Ayala Vazquez, Hao Xu, Gregory A. Springer, Bing Chiang, Eduardo Lopez Camacho, and Douglas B. Kough, residing respectively at 4 Magnolia Drive, Watsonville, California 95076, at 10229 Danube Drive, Cupertino, California 95014, at 526 Humber Court, Sunnyvale, California 94087, in Cupertino California, at 103 Holly Drive, Watsonville, California 95076, and at 3394 Browning Avenue, San Jose, California 95124, have made an invention entitled:

## CLUTCH BARREL ANTENNA FOR WIRELESS ELECTRONIC DEVICES

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 of 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 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.

9/24/08  
Date

Enrique Ayala  
Enrique Ayala Vazquez

9/24/2008  
Date

Hao Xu  
Hao Xu

9/24/2008  
Date

Gregory A. Springer  
Gregory A. Springer

9/24/08  
Date

Bing Chiang  
Bing Chiang

09/24/08  
Date

Eduardo Lopez  
Eduardo Lopez Camacho

9/24/08  
Date

Douglas B. Kough  
Douglas B. Kough