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1. Name of conveying party(ies)/Execution Date(s): Junqiang Li Nelson R. Sollenberger Execution Date(s): <u>12-14-06/12-18-06</u> Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies): Broadcom Corporation, a California Corporation 5300 California Avenue Irvine, CA 92617 Add'l name(s) & addr of receiving party(ies) attached? ☐ Yes ☒ No		
3. Nature of conveyance: ☐ Assignment ☐ Security Agreement ☐ Change of Name ☐ Merger ☐ License ☐ Other _____ ☐ Governmental Interest Assignment ☐ Executive Order 9424, Confirmatory License			
4. Application or patent number(s): ☐ This document is being together with a new application. A. Application number(s): <u>11/641,933</u> B. Patent number(s): _____ Additional number(s) attached? ☐ Yes ☒ No			
5. Name and address to whom correspondence concerning this document should be mailed: Name <u>Bruce E. Garlick</u> Address <u>P. O. Box 160727</u> <u>Austin Texas 78716-0727</u> Phone No: <u>(512) 264-8816</u> Fax No: <u>(512) 264-3735</u> email address <u>bgarlick@texaspatents.com</u> Docket No: <u>BP5746</u>	6. Total number of applications and patents involved: 7. Total Fee (37 CFR 1.21 (h) & 3.41) \$ ☐ Authorized to be charged by credit card ☐ None required (gov't interest not affecting title) ☐ Enclosed ☐ Authorized to be charged to deposit account		
8. Payment Information a. Credit Card Last 4 digits: _____ Expiration date: _____ b. Deposit Account Number: <u>88822221</u> Authorized User Name: <u>Garlick, Harrison & Markison</u>			
9. Signature: <u>Bruce E. Garlick</u> <u>12/5/2007</u> Bruce E. Garlick 36,520 Date Name of Person Signing Total number of pages including cover sheet, attachments, and documents: <u>7 total</u>			

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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>Junqiang Li</td> <td>12/14/2006</td> </tr> <tr> <td>Nelson R. Sollenberger</td> <td>12/18/2006</td> </tr> </tbody> </table>		Name	Execution Date	Junqiang Li	12/14/2006	Nelson R. Sollenberger	12/18/2006				
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Junqiang Li	12/14/2006										
Nelson R. Sollenberger	12/18/2006										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Broadcom Corporation</td> </tr> <tr> <td>Street Address:</td> <td>5300 California Avenue</td> </tr> <tr> <td>City:</td> <td>Irvine</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>92617</td> </tr> </table>		Name:	Broadcom Corporation	Street Address:	5300 California Avenue	City:	Irvine	State/Country:	TEXAS	Postal Code:	92617
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PROPERTY NUMBERS Total: 1											
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Application Number:	11641933										
CORRESPONDENCE DATA											
Fax Number: (512)301-3707 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 5122685248 Email: dhudson@broadcom.com Correspondent Name: Bruce E. Garlick Address Line 1: P.O. Box 160727 Address Line 4: Austin, TEXAS 78716											
ATTORNEY DOCKET NUMBER:	BP5746										
NAME OF SUBMITTER:	/Bruce E. Garlick/										
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Docket No. BP5746U.S. Utility Patent Appl. Serial No.: 11/641,933U.S. Utility Patent Appl. Filing Date: 12/18/2006

U.S. Patent No.: _____

U.S. Patent Issue Date: _____

ASSIGNMENT

WHEREAS, the undersigned inventor(s), hereinafter called the "Assignors", have invented a new and useful invention entitled:

FREQUENCY DOMAIN EQUALIZER FOR SINGLE ANTENNA RADIO

for which reference a full description is here made in an application for Letters Patent of the United States filed herewith or that was filed with the United States Patent and Trademark Office on the 18th day of December, 2006. The Assignors believe himself/herself/themselves to be the original inventor(s) of the invention disclosed and claimed in the application for Letters Patent.

WHEREAS, The entity identified immediately below having a principal office and place of business as identified, hereinafter called the "Assignee", is desirous of acquiring the entire right, title and interest in and to said invention, the application above identified, and in, to and under Letters Patent which may be obtained for said invention, as hereinafter more fully set forth;

Broadcom Corporation, a California Corporation
16215 Alton Parkway
Irvine, CA, USA 92618-7013

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for valuable legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in and to the invention and the application herein above identified, any and all provisional patent applications from which the application claims priority, and all Letters Patents that may issue for the said invention, and all division, reissues, substitutions, continuations, and extensions thereof, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns to the full end of the term for which any and all of said Letters Patents for the said invention may issue.

FURTHER, be it known that the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the Assignee, its successors and assigns, the entire foreign rights to the invention disclosed in said application, in all countries of the world, including the right to file applications and obtain patents under the terms of the International Convention, and further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

And the Assignors do hereby covenant and agree, for themselves and their legal representatives, that they will assist the Assignee in the prosecution of the application herein

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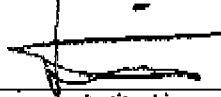
Docket No. BP5744

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissue, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and facts known respecting said invention, and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

And the Commissioner of the United States Patent and Trademark Office is hereby authorized and requested to issue all Letters Patent to the Assignee in accordance with the terms of the assignment.

IN TESTIMONY WHEREOF, the Assignors have hereunto set their hands on the date indicated below. The undersigned hereby authorizes and requests the attorneys and/or agents of record in the application above identified, and in, to and under Letters Patent which may be obtained for said invention, to insert in this assignment the filing date and serial number of said application (and/or issue date and patent number of said corresponding Letters Patents) when officially known, if applicable.

Inventor(s):

	
Junping Li	Nelson R. Bollenberger
Date	Date
_____	_____
Date	Date
_____	_____
Date	Date

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Docket No. 205746

identified; in the making and prosecution of any other applications for Letters Patent that the Assignee may elect to make covering the invention herein identified, as herein before set forth, including any application for reissues, application for reexamination, application for foreign patent rights, or any proceeding in the United States Patent and Trademark Office affecting the invention, investing in the Assignee exclusive title in and to all such other applications and Letters Patent, and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patents herein contemplated; that they will promptly execute and deliver to the Assignee any and all additional papers and make all lawful oaths which may be requested by the Assignee to fully carry out the terms of this assignment; and further that they will communicate to Assignee, or to its successors, assigns, and legal representatives, and faces known respecting said invention; and at the expense of the Assignee, testify in any legal proceedings, and generally do everything possible to aid the Assignee, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

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Inventor(s):

Junping Li	Date
_____	Date
_____	Date

<i>Nelson R. Sollenberger</i>	Date
Nelson R. Sollenberger	Mar 12, 2006

_____	Date
_____	Date