

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>Jason Trachewsky</td> <td>03/10/2009</td> </tr> <tr> <td>Christopher Hansen</td> <td>03/06/2009</td> </tr> <tr> <td>Jeyhan Karaoguz</td> <td>03/09/2009</td> </tr> <tr> <td>Saishankar Nandagopalan</td> <td>03/10/2009</td> </tr> </tbody> </table>		Name	Execution Date	Jason Trachewsky	03/10/2009	Christopher Hansen	03/06/2009	Jeyhan Karaoguz	03/09/2009	Saishankar Nandagopalan	03/10/2009
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<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>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92617</td> </tr> </table>		Name:	BROADCOM CORPORATION	Street Address:	5300 CALIFORNIA AVENUE	City:	IRVINE	State/Country:	CALIFORNIA	Postal Code:	92617
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CORRESPONDENCE DATA											
<p>Fax Number: 8887629304 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 8172665717 Email: DWATSON@TEXASPATENTS.COM</p> <p>Correspondent Name: GARLICK & MARKISON Address Line 1: P. O. Box 160727 Address Line 4: AUSTIN, TEXAS 78716-0727</p>											
ATTORNEY DOCKET NUMBER:	BP6748C2										
NAME OF SUBMITTER:	Debbie Watson										
Signature:	/Debbie Watson/										

Date:

09/26/2013

Total Attachments: 5

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ASSIGNMENT

File No.: 18879US02

Serial No.: 12/402,118

Inventors: Jason Trachewsky
Christopher Hansen
Jeyhan Karaoguz
Saishankar Nandagopalan

Filing Date: March 11, 2009

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, each of the undersigned hereby assigns to Broadcom Corporation, incorporated under the laws of the state of California, its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled: **“METHOD AND SYSTEM FOR DUAL MODE OPERATION IN WIRELESS NETWORKS”** and identified as File No. 18879US02, in the offices of McANDREWS, HELD & MALLOY, LTD., and in provisional applications filed in the United States Patent and Trademark Office as Serial No. 61/035,694 on March 11, 2008 and Serial No. 61/051,526, and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee. Each of the undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known. Each of the undersigned warrants himself/herself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

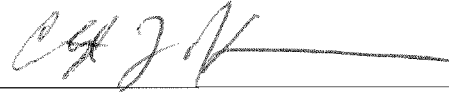
For said considerations, each of the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, re-examination, extension, and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue, re-examination, or extension of any Letters Patent that may be granted upon said application, and any and all applications and other document for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations each of the undersigned authorizes said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agrees, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions

applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence and performing any and all other acts necessary to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand this 10th day of March, 2009.

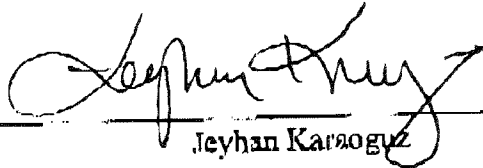

Jason Trachewsky

WITNESS my hand this 6th day of March, 2009.

A handwritten signature in dark ink, appearing to read 'CH Hansen', written over a horizontal line.

Christopher Hansen

WITNESS my hand this 9th day of March, 2009.


Jeyhan Karaguz

WITNESS my hand this ____10th____ day of _____ March _____,
2009.

Saishankar N

Saishankar Nandagopalan