

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>Nambirajan Seshadri</td> <td>03/24/2005</td> </tr> <tr> <td>Jeyhan Karaoguz</td> <td>03/23/2005</td> </tr> <tr> <td>James D. Bennett</td> <td>03/24/2005</td> </tr> </tbody> </table>		Name	Execution Date	Nambirajan Seshadri	03/24/2005	Jeyhan Karaoguz	03/23/2005	James D. Bennett	03/24/2005
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Nambirajan Seshadri	03/24/2005								
Jeyhan Karaoguz	03/23/2005								
James D. Bennett	03/24/2005								
RECEIVING PARTY DATA									
Name:	Broadcom Corporation								
Street Address:	5300 California Avenue								
City:	Irvine								
State/Country:	CALIFORNIA								
Postal Code:	92617								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>8126503</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	8126503				
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Patent Number:	8126503								
CORRESPONDENCE DATA									
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: usassignments@brinkshofer.com, mmarsh@brinkshofer.com</p> <p>Correspondent Name: Brinks Hofer Gilson & Lione</p> <p>Address Line 1: 455 N. Cityfront Plaza Drive</p> <p>Address Line 2: Suite 3600</p> <p>Address Line 4: Chicago, ILLINOIS 60611</p>									
ATTORNEY DOCKET NUMBER:	14528.00384								
NAME OF SUBMITTER:	John F. Nethery								
Signature:	/John F. Nethery/								
Date:	04/04/2013								

CH \$40.00 8126503

PATENT

Total Attachments: 5

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ASSIGNMENT

Attorney Docket No.: 16046US02

Serial No.: **11/092,383**

Inventors: Nambirajan Seshadri
Jeyhan Karaoguz
James D. Bennett

Filing Date: **March 29, 2005**

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to Broadcom Corporation, a California corporation, 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: **DYNAMIC MIMO RESOURCE ALLOCATION DURING A SINGLE COMMUNICATION**, bearing docket No. 16046US02, filed **03-29-2005**, and in a provisional application, filed in the United States Patent and Trademark Office as Serial No. 60/601,342, filed August 13, 2004, and in said applications 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, reexamination, reissue or extension of such applications or patents, and further assign to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application bearing docket No. 16046US02 to insert in this assignment the filing date and serial number of said application when officially known, if applicable.

The undersigned warrant themselves 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 warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all continuation, continuation-in-part, divisional, 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 documents 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 the undersigned authorize 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 involving such 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 to vest all rights 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 24 day of March, 2005.

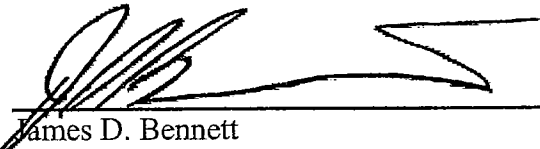
Najc Seshadri
Nambirajan|Seshadri

WITNESS my hand this 23rd day of March, 2005.



Jeyhan Karaoguz

WITNESS my hand this 24th day of March 2005.



James D. Bennett