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		Execution Date(s) 1. 09/15/2005 2. 09/15/2005 3. 09/16/2005 Additional name of conveying party(ies) attached? Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s)	Street Address: 16215 Alton Parkway P.O. Box 57013 City: Irvine
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5. Name and address of party to whom correspondence concerning this document should be malled:	ached? Yes No 6. Total number of applications and patents involved: 1		
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REEL: 016912 FRAME: 0173

ASSIGNMENT

File No.:

17025US01

Serial No.: 11/231,586

Inventors:

Jun Zheng

Filing Date: September 21, 2005

Chengjin Zhang Pieter van Rooyen

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 A DOUBLE SEARCH USER GROUP SELECTION SCHEME WITH RANGE REDUCTION IN TDD MULTIUSER MIMO DOWNLINK TRANSMISSION" and identified as File No. 17025US01, in the offices of McANDREWS, HELD & MALLOY, LTD., 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

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

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 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 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 15th day of September, 200

WTNESS my hand this 15th day of September , 2005.

Chengiin Zhang

WITNESS my hand this ______ day of _____

Africanter, 2005

Pieter van Rooven

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PATENT REEL: 016912 FRAME: 0177