

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jungwon Lee</td> <td>08/06/2007</td> </tr> <tr> <td>Woong Jun Jang</td> <td>08/03/2007</td> </tr> <tr> <td>Hui-Ling Lou</td> <td>08/06/2007</td> </tr> </tbody> </table>		Name	Execution Date	Jungwon Lee	08/06/2007	Woong Jun Jang	08/03/2007	Hui-Ling Lou	08/06/2007
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Jungwon Lee	08/06/2007								
Woong Jun Jang	08/03/2007								
Hui-Ling Lou	08/06/2007								
RECEIVING PARTY DATA									
Name:	Marvell Semiconductor, Inc.								
Street Address:	5488 Marvell Lane								
City:	Santa Clara								
State/Country:	CALIFORNIA								
Postal Code:	95054								
PROPERTY NUMBERS Total: 2									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>60821777</td> </tr> <tr> <td>Application Number:</td> <td>11834599</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	60821777	Application Number:	11834599		
Property Type	Number								
Application Number:	60821777								
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CORRESPONDENCE DATA									
Fax Number:	(646)728-2915								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	andrew.shiue@ropesgray.com								
Correspondent Name:	Michael J. Chasan								
Address Line 1:	1211 Avenue of the Americas								
Address Line 2:	Ropes & Gray LLP								
Address Line 4:	New York, NEW YORK 10036-8704								
ATTORNEY DOCKET NUMBER:	004048-0093 (MP1232)								
NAME OF SUBMITTER:	Michael J. Chasan								

CH \$80.00 60821777

Total Attachments: 4
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Docket#: MP1232

PATENT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned,

Jungwon Lee, Woong Jun Jang and Hui-Ling Lou

who have created a certain invention for which an application for United States Letters Patent was executed by us concurrently herewith and entitled:

**MAXIMAL RATIO COMBINING OF EQUALIZED SYMBOLS FOR
MIMO SYSTEMS WITH HARQ AND/OR REPETITION CODING**

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 5488 Marvell Lane, Santa Clara, CA 95054, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Do hereby further sell, assign and transfer to Marvell Semiconductor, Inc., its successors, assigns, and legal representatives, the full and exclusive right to United States Provisional Patent Applications(s) No(s). 60/821,777 filed August 8, 2006 and to any and all inventions described in said provisional patent application(s) for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be entitled to the benefit thereof in the United States, its territorial possessions and all foreign countries; and in and to any and all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possessions and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, acts, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

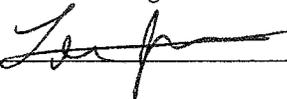
Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

PATENT

REEL: 019804 FRAME: 0787

MP1232

IN TESTIMONY WHEREOF we have hereunto set OUR signatures on the dates indicated below.

Full Name of First Inventor: Jungwon Lee	
Inventor's Signature: 	Date: Month/Day/Year 8/6/07

Full Name of Second Inventor: Woong Jun Jang	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Third Inventor: Hui-Ling Lou	
Inventor's Signature: 	Date: Month/Day/Year 8/6/07

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Jungwon Lee, Woong Jun Jang and Hui-Ling Lou

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Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, its successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

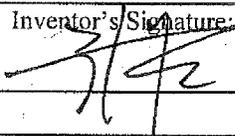
PATENT

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IN TESTIMONY WHEREOF we have hereunto set OUR signatures on the dates indicated below.

Full Name of First Inventor:	
Jungwon Lee	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor:	
Woong Jun Jang	
Inventor's Signature:	Date: Month/Day/Year
	Aug 3 rd 2007

Full Name of Third Inventor:	
Hui-Ling Lou	
Inventor's Signature:	Date: Month/Day/Year