

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<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>Hongyuan Zhang</td> <td>12/07/2007</td> </tr> <tr> <td>Kedar Shirali</td> <td>12/07/2007</td> </tr> <tr> <td>Peter Loc</td> <td>12/07/2007</td> </tr> </tbody> </table>		Name	Execution Date	Hongyuan Zhang	12/07/2007	Kedar Shirali	12/07/2007	Peter Loc	12/07/2007
Name	Execution Date								
Hongyuan Zhang	12/07/2007								
Kedar Shirali	12/07/2007								
Peter Loc	12/07/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	Marvell Semiconductor, Inc.								
<b>Street Address:</b>	5488 Marvell Lane								
<b>City:</b>	Santa Clara								
<b>State/Country:</b>	CALIFORNIA								
<b>Postal Code:</b>	95054								
<b>PROPERTY NUMBERS Total: 2</b>									
<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>60845589</td> </tr> <tr> <td>Application Number:</td> <td>11857297</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	60845589	Application Number:	11857297		
Property Type	Number								
Application Number:	60845589								
Application Number:	11857297								
<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(312)474-0448								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	312-474-6300								
<b>Email:</b>	docket@marshallip.com								
<b>Correspondent Name:</b>	Marshall, Gerstein & Borun LLP								
<b>Address Line 1:</b>	233 South Wacker Drive								
<b>Address Line 2:</b>	6300 Sears Tower								
<b>Address Line 4:</b>	Chicago, ILLINOIS 60606								
<b>ATTORNEY DOCKET NUMBER:</b>	MP1327								
<b>NAME OF SUBMITTER:</b>	Gregory E. Stanton								

CH \$80.00 60845589

**Total Attachments: 4**

source=MP1327\_Assignment\_INV\_MSI#page1.tif

source=MP1327\_Assignment\_INV\_MSI#page2.tif

source=MP1327\_Assignment\_INV\_MSI#page3.tif

source=MP1327\_Assignment\_INV\_MSI#page4.tif

Docket#: MP1327

PATENT

**ASSIGNMENT**

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

**Hongyuan Zhang, Kedar Shirali, Peter Loc**

who have created a certain invention for which an application for United States Letters Patent, entitled:

**Calibration Correction for Implicit Transmit Beamforming in a Wireless MIMO  
Communication System**

was filed on September 18, 2007 and assigned U.S. Patent Application No. 11/857,297

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 Application No. 60/845,589, filed September 18, 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.

IN TESTIMONY WHEREOF I have hereunto set MY signature on the date indicated below.

Docket#: MP1327

PATENT

Full Name of Sole/First Inventor: Hongyuan Zhang	
Inventor's Signature: <i>Hongyuan Zhang</i>	Date: Month/Day/Year <i>12/07/2007</i>


Full Name of Third Inventor, if any: Kedar Shirali	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Fourth Inventor, if any: Peter Loc	
Inventor's Signature:	Date: Month/Day/Year

Docket#: MP1327

PATENT

Full Name of Sole/First Inventor: Hongyuan Zhang	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Third Inventor, if any: Kedar Shirali	
Inventor's Signature: 	Date: Month/Day/Year 12/7/2007

Full Name of Fourth Inventor, if any: Peter Loc	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Sole/First Inventor: Hongyuan Zhang	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Third Inventor, if any: Kedar Shirali	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Fourth Inventor, if any: Peter Loc	
Inventor's Signature: <i>Peter Loc</i>	Date: Month/Day/Year 12/7/2007