

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Xueshi Yang</td><td>12/10/2008</td></tr><tr><td>Yu-Yao Chang</td><td>12/10/2008</td></tr><tr><td>Michael Madden</td><td>12/10/2008</td></tr><tr><td>Zining Wu</td><td>12/15/2008</td></tr></tbody></table>	Name	Execution Date	Xueshi Yang	12/10/2008	Yu-Yao Chang	12/10/2008	Michael Madden	12/10/2008	Zining Wu	12/15/2008	
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Xueshi Yang	12/10/2008										
Yu-Yao Chang	12/10/2008										
Michael Madden	12/10/2008										
Zining Wu	12/15/2008										
RECEIVING PARTY DATA											
Name:	Marvell Semiconductor, Inc.										
Street Address:	5488 Marvell Lane										
City:	Santa Clara										
State/Country:	CALIFORNIA										
Postal Code:	95054										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12336308</td></tr></tbody></table>	Property Type	Number	Application Number:	12336308							
Property Type	Number										
Application Number:	12336308										
CORRESPONDENCE DATA											
Fax Number:	(877)769-7945										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	617-542-5070										
Email:	catiis@fr.com										
Correspondent Name:	Alex Chan										
Address Line 1:	FISH & RICHARDSON P.C.										
Address Line 2:	P.O.BOX 1022										
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022										
ATTORNEY DOCKET NUMBER:	MP2360/ 13361-0206001										
NAME OF SUBMITTER:	Jennifer A Garza										
Total Attachments: 4											

CH 12336308 \$40.00

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PATENT
REEL: 021989 FRAME: 0844

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ASSIGNMENT

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

Xueshi Yang

Yu-Yao Chang

Michael Madden

Zining Wu

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

Hybrid Defect Detection for Recording Channels

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 therefor 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 Nos. 61/015,444, filed 12/20/2007, 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;

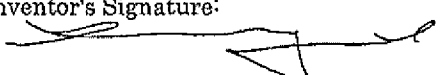
Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, 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

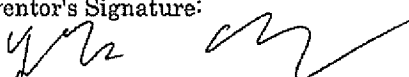
Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed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

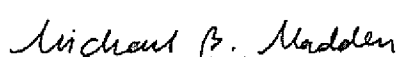
Docket#: MP2360/13361-0206001

PATENT

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

Full Name of Inventor: Xueshi Yang	
Inventor's Signature: 	Date: Month/Day/Year 12/10/2008

Full Name of Inventor: Yu-Yao Chang	
Inventor's Signature: 	Date: Month/Day/Year 12/10/2008

Full Name of Inventor: Michael Madden	
Inventor's Signature: 	Date: Month/Day/Year 12/10/2008

Full Name of Inventor: Zining Wu	
Inventor's Signature:	Date: Month/Day/Year

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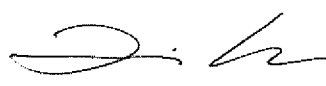
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