

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Aditya Ramamoorthy	04/20/2007
Gregory Burd	04/13/2007
Xueshi Yang	04/12/2007

RECEIVING PARTY DATA

Name:	Marvell Semiconductor, Inc.
Street Address:	5488 Marvell Lane
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11738263

CORRESPONDENCE DATA

Fax Number: (503)796-2900

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: Schwabe, Williamson & Wyatt, P.C.

Address Line 1: 1211 SW Fifth Avenue, Suite 1900

Address Line 4: Portland, OREGON 97204

ATTORNEY DOCKET NUMBER:

MP1100-150133

NAME OF SUBMITTER:

Kevin T. LeMond

Total Attachments: 3

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REEL: 019189 FRAME: 0539

CH \$40.00 11738263

Docket#: MP1100-150133

PATENT

ASSIGNMENT

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

Aditya Ramamoorthy, Gregory Burd, and Xueshi Yang

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

CHANNEL ESTIMATION FOR MULTI-LEVEL MEMORIES USING PILOT SIGNALS

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). 60/797,591, filed 04 May 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;

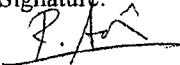
Agree that Marvell Semiconductor, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that,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

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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.

Full Name of Sole/First Inventor:	
Aditya Ramamoorthy	
Inventor's Signature: 	Date: Month/Day/Year 04/20/07


Full Name of Joint/Second Inventor:	
Gregory Burd	
Inventor's Signature:	Date: Month/Day/Year

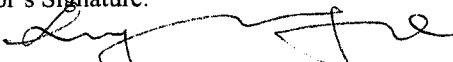
Full Name of Joint/Third Inventor:	
Xueshi Yang	
Inventor's Signature:	Date: Month/Day/Year

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.

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Aditya Ramamoorthy	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Joint/Second Inventor:	
Gregory Burd	
Inventor's Signature:	Date: Month/Day/Year
	04/13/07

Full Name of Joint/Third Inventor:	
Xueshi Yang	
Inventor's Signature:	Date: Month/Day/Year
	4/12/2007