Form **PTO-1595** (Rev. 08/05) OMB No. 0651-0027 (exp. 6/30/2008) 08-02-2006

U.S. DEPARTMENT	OF COMMERCE
Inited States Patent and	Trademark Office

103284752 To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) Name of conveying party(ies) (1) Hongxin Song; Name: Marvell Semiconductor, Inc. (2) Seo-How Low; Internal Address: (3) Panu Chaichanavong; and (4) Zining Wu Additional name(s) of conveying party(ies) attached? 🔲 Yes 🔀 No Street Address: 5488 Marvell Lane 3. Nature of conveyance/Execution Date(s): (1) 7/24/06; (2) 7/20/06; Execution Date(s)(3) 7/20/06; and (4) 7/20/06 Assignment Assignment City: Santa Clara ☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement State: CA Government Interest Assignment Country: USA Zip: 95054 Executive Order 9424, Confirmatory License Additional name(s) & address(es) attached? Yes No ☐ This document is being filed together with a new application. 4. Application or patent number(s): B. Patent No.(s) A. Patent Application No.(s) Attorney Docket No. MP0843 (4048/044) Additional numbers attached? Yes No 5. Name and address to whom correspondence 6. Total number of applications and patents concerning document should be mailed: involved: 1 Name: Customer No. 45510 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Internal Address: Authorized to be charged by credit card Authorized to be charged to deposit account ☐ Enclosed Street Address: None required (government interest not affecting title) 8. Payment Information City: a. Credit Card Last 4 Numbers 1007 State: _____ Zip: ____ Phone Number: 212-596-9000 Expiration Date 04/10 b. Deposit Accoling News PreckLU1 96969614 11493269 Fax Number: 212-596-9090 Email Address: brian.mack@ropesgray.com Authorized Useriname OP July 25, 2006 9. Signature: Signature

Express Mail Label No. EV619621334US

Name of Person Signing

Brian E. Mack

Reg. No. 57,189

Total number of pages including cover sheet, attachments, and document: Docket#: MP0843 PATENT

ASSIGNMENT

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

Hongxin Song, Seo-How Low, Panu Chaichanavong, and 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:

Nonlinear Detectors for Channels with Signal-Dependent Noise

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 Applications(s) No(s). 60/729,699, filed October 24, 2005; 60/742,692, filed December 6, 2005; and 60/798,879, filed May 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.

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

Full Name of Sole/First Inventor:		· · · · · · · · · · · · · · · · · · ·
Hongxin Song		
Inventor's Signature:	Date: Month/Day/Year	
	7/24/06	

Express Mail No. EV619621334US

PATENT REEL: 018136 FRAME: 0657

Full Name of Second Inventor, if any:	
Seo-How Low	
Inventor's Signature:	Date: Month/Day/Year 7 20 06
Full Name of Third Inventor, if any:	
Panu Chaichanavong	
Inventor's Signature: farm all.	Date: Month/Day/Year 7/20/2006
Full Name of Fourth Inventor, if any:	
Zining Wu	
Inventor's Signature:	Date: Month/Day/Year

RECORDED: 07/25/2006