

PATENT ASSIGNMENT

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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>SASAN CYRUSIAN</td> <td>02/26/2013</td> </tr> <tr> <td>ZINING WU</td> <td>02/21/2013</td> </tr> <tr> <td>KAPIL JAIN</td> <td>02/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	SASAN CYRUSIAN	02/26/2013	ZINING WU	02/21/2013	KAPIL JAIN	02/21/2013
Name	Execution Date								
SASAN CYRUSIAN	02/26/2013								
ZINING WU	02/21/2013								
KAPIL JAIN	02/21/2013								
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>13781924</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13781924				
Property Type	Number								
Application Number:	13781924								
CORRESPONDENCE DATA									
Fax Number:	4082222755								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	4082222500								
Email:	CAROLYNS@MARVELL.COM								
Correspondent Name:	HORACE NG								
Address Line 1:	5488 MARVELL LANE								
Address Line 4:	SANTA CLARA, CALIFORNIA 95054								
ATTORNEY DOCKET NUMBER:	MP4607								
NAME OF SUBMITTER:	HORACE NG								
Total Attachments: 3 source=MP4607_EXECUTED ASSIGNMENT INV TO MSI#page1.tif source=MP4607_EXECUTED ASSIGNMENT INV TO MSI#page2.tif source=MP4607_EXECUTED ASSIGNMENT INV TO MSI#page3.tif									

OP \$40.00 13781924

ASSIGNMENT

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

Sasan CYRUSIAN; Zining WU; and Kapil JAIN

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

**ADAPTIVELY INTERPOLATING AND SEARCHING
TO REFINE SAMPLING IN PULSE WIDTH MODULATION**

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;

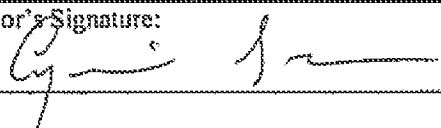
Do hereby further sell, assign and transfer to Marvell Semiconductor, Inc., its successors, assigns, and legal representatives, the full and exclusive right to United States Provisional Patent Application(s) No(s). 61/610,749, filed March 14, 2012, entitled "METHOD FOR NATURAL SAMPLING POINT PULSE WIDTH MODULATION IN DIGITAL SYSTEMS," 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 First Inventor:	
Sasan CYRUSIAN	02/26/2013
Inventor's Signature:	Date: Month/Day/Year
	

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


Full Name of Third Inventor:	
Kapil JAIN	
Inventor's Signature:	Date: Month/Day/Year


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 First Inventor: Sasan CYRUSIAN	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor: Zining WU	
Inventor's Signature: 	Date: Month/Day/Year 2/21/2013

Full Name of Third Inventor: Kapil JAIN	
Inventor's Signature: 	Date: Month/Day/Year 02/21/2013