

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>CHIH-CHING CHEN</td> <td>11/08/2012</td> </tr> <tr> <td>HYUNSUK SHIN</td> <td>11/07/2012</td> </tr> <tr> <td>CHI KONG LEE</td> <td>11/09/2012</td> </tr> <tr> <td>XUETING YU</td> <td>11/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	CHIH-CHING CHEN	11/08/2012	HYUNSUK SHIN	11/07/2012	CHI KONG LEE	11/09/2012	XUETING YU	11/09/2012
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CHIH-CHING CHEN	11/08/2012										
HYUNSUK SHIN	11/07/2012										
CHI KONG LEE	11/09/2012										
XUETING YU	11/09/2012										
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>13674503</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13674503						
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Application Number:	13674503										
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:	MP4394										
NAME OF SUBMITTER:	HORACE NG										
<p>Total Attachments: 4</p> <p>source=MP4394_EXECUTED ASSIGNMENT INV TO MSI#page1.tif</p> <p>source=MP4394_EXECUTED ASSIGNMENT INV TO MSI#page2.tif</p> <p>source=MP4394_EXECUTED ASSIGNMENT INV TO MSI#page3.tif</p> <p>source=MP4394_EXECUTED ASSIGNMENT INV TO MSI#page4.tif</p>											

OP \$40.00 13674503

ASSIGNMENT

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

Chih-Ching Chen; Hyunsook Shin; Chi Kong Lee and Xueting Yu

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

NAND FLASH CONTROLLER WITH PROGRAMMABLE COMMAND TEMPLATES

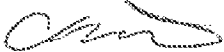
Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 5488 Marvell Lane, Santa Clara, CA 95054, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and 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;

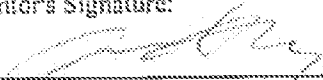
Do hereby further sell, assign and transfer to Marvell Semiconductor, Inc., its successors, assigns, and legal representatives, the full and exclusive right to United States Provisional Patent Application(s) No(s). 61/558,783, filed on November 11, 2011, entitled "NAND Flexible Command Sequence," and 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.

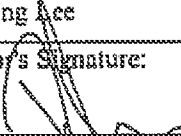
Full Name of Sole/First Inventor:	
Chih-Ching Chen	
Inventor's Signature:	Date: Month/Day/Year
	11/08/2012

Full Name of Second Inventor: Hyunsuk Shin	
Inventor's Signature: 	Date: Month/Day/Year 11/9/2012

Full Name of Third Inventor: Chi Kong Lee	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Fourth Inventor: Xueting Yu	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor: Hyunsuk Shin	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Third Inventor: Chi Kong Aee	
Inventor's Signature: 	Date: Month/Day/Year 11 / 9 / 2012

Full Name of Fourth Inventor: Xueting Yu	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Second Inventor: Hyunsuk Shin	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Third Inventor: Chi Kong Lee	
Inventor's Signature:	Date: Month/Day/Year

Full Name of Fourth Inventor: Xueting Yu	
Inventor's Signature: <i>Xueting Yu</i>	Date: Month/Day/Year <i>11/09/2012</i>