

08-08-2005

2 SHEET

DOCKET NO.: MP0655
(4048/023)



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To the Honorable Commission of Patents and Trademarks

attached original documents or copy thereof.

08-01-05

1. Name of conveying party(ies):

- (1) Siu-Hung Fred Au
- (2) Gregory Burd
- (3) Zining Wu
- (4) Jun Xu
- (5) Tony Yoon

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Marvell Semiconductor, Inc.

Internal Address: 700 First Avenue

Street Address: _____

City: Sunnyvale State: CA ZIP: 94089

Country: U.S.A.

Additional name(s) & address(es) attached? Yes No

112955 U.S. PTO
11/195183



080105

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: (1) 7/28/05; (2) 7/28/05; (3) 7/28/05; (4) 7/28/05;
and (5) 7/26/05

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: July 26, 2005, July 27, 2005,
and July 28, 2005

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

CUSTOMER NO. 45510

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40.00

Authorized to be charged to American Express account no. identified in the accompanying Submission of Credit Card Payment.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey H. Ingerman
Name of Person Signing

Signature

August 1, 2005
Date

Reg. No. 31,069

Total number of pages including cover sheet, attachments, and document:

3

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PATENT
REEL: 016810 FRAME: 0588

Docket#: MP0655 (4048/023)

PATENT

ASSIGNMENT

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

**Siu-Hung Fred Au,
Gregory Burd,
Zining Wu,
Jun Xu, and
Tony Yoon**

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


Architecture And Control Of Reed-Solomon List Decoding

Do hereby sell, assign and transfer to Marvell Semiconductor, Inc., a corporation of California, having a place of business at 700 First Avenue, Sunnyvale, California 94089, 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;

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:	Siu-Hung Fred Au
Inventor's Signature:	Date: Month/Day/Year
	07/28/05

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PATENT

Full Name of Second Inventor:	Gregory Burd
Inventor's Signature:	Date: Month/Day/Year
<i>Gregory A Burd</i>	7/28/05

Full Name of Third Inventor:	Zining Wu
Inventor's Signature:	Date: Month/Day/Year
<i>Zining Wu</i>	7/28/05

Full Name of Fourth Inventor:	Jun Xu
Inventor's Signature:	Date: Month/Day/Year
<i>Jun Xu</i>	7/28/05

Full Name of Fifth Inventor:	Tony Yoon
Inventor's Signature:	Date: Month/Day/Year
<i>Tony Yoon</i>	7/26/2005

Express Mail No. EV619614007US