

10-25-2005

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OMB No. 0651-0027 (exp. 6/30/2005)



DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

10/17/05

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Ramnath Vonkatraman, Michael N. Dillon, David A. Gardner,  
Carl Anthony Monzel III, Subramanian Ramesh, Robert C.  
Armstrong, Gary Scott Delp, Scott Allen Peterson

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

2. Name and address of receiving party(ies)

Name: LSI Logic Corporation

Internal Address: \_\_\_\_\_

Street Address: 1621 Barber Lane OCT 17 2005

City: Milpitas

State: CA

Country: USA Zip: 95036

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 7/25/2005

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

4. Application or patent number(s):

A. Patent Application No.(s)  
11/189,026

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Daffer, McDaniel, LLP

Internal Address: \_\_\_\_\_

Street Address: P.O. Box 684908

City: Austin

State: TX Zip: 78768-4908

Phone Number: 512/476-1400

Fax Number: 512/703-1250

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: one (1)

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 12-2252

Authorized User Name Kevin L. Daffer

9. Signature:

Signature

10/17/2005  
Date

Kevin L. Daffer, Reg. No. 34,146  
Name of Person Signing

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

8

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5996, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Attorney Docket Number: 5201-28200  
05-0526

ASSIGNMENT

For Good And Valuable Consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned, RAMNATH VENKATRAMAN, MICHAEL N. DILLON, DAVID A. GARDNER, CARL ANTHONY MONZEL III, SUBRAMANIAN RAMESH, ROBERT C. ARMSTRONG, GARY SCOTT DELP, and SCOTT ALLEN PETERSON do hereby sell, assign and transfer to LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1621 Barber Lane, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

- ( X ) which has been executed by the undersigned concurrently herewith,
- ( ) which was filed on \_\_\_\_\_, 20\_\_ and assigned Serial No. \_\_\_\_\_

and is entitled "BASIC CELL ARCHITECTURE FOR STRUCTURED APPLICATION-SPECIFIC INTEGRATED CIRCUITS," and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications to patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and 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.

Inventor Signature: *Ramath*  
RAMNATH VENKATRAMAN

Date: July 25, 2005

Witness Signature: *Hoang Nguyen*

Date: July 25, 05, 2005

Witness Printed Name: HOANG NGUYEN

Inventor Signature: \_\_\_\_\_  
MICHAEL N. DILLON

Date: \_\_\_\_\_, 2005

Witness Signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2005

Witness Printed Name: \_\_\_\_\_

1/7

116207

Attorney Docket Number: 5201-28200  
05-0526

**ASSIGNMENT**

For Good And Valuable Consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned, RAMNATH VENKATRAMAN, MICHAEL N. DILLON, DAVID A. GARDNER, CARL ANTHONY MONZEL III, SUBRAMANIAN RAMESH, ROBERT C. ARMSTRONG, GARY SCOTT DELP, and SCOTT ALLEN PETERSON do hereby sell, assign and transfer to LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1621 Barber Lane, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

- ( X ) which has been executed by the undersigned concurrently herewith,
- ( ) which was filed on \_\_\_\_\_, 20\_\_ and assigned Serial No. \_\_\_\_\_

and is entitled "BASIC CELL ARCHITECTURE FOR STRUCTURED APPLICATION-SPECIFIC INTEGRATED CIRCUITS," and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications to patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and 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.

Inventor Signature: \_\_\_\_\_  
RAMNATH VENKATRAMAN

Date: \_\_\_\_\_, 2005


Witness Signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2005

Witness Printed Name: \_\_\_\_\_

Inventor Signature:   
MICHAEL N. DILLON

Date: 7-27, 2005

Witness Signature: 

Date: 7/27, 2005

Witness Printed Name: Kevin Clerman

2/7

Attorney Docket Number: 5201-28200  
05-0526

Inventor Signature: *David A. Gardner*  
DAVID A. GARDNER

Date: July 25, 2005

Witness Signature: *Therthal Tabteng*

Date: July 25, 2005

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Inventor Signature: \_\_\_\_\_  
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Date: \_\_\_\_\_, 2005

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Inventor Signature: \_\_\_\_\_  
SUBRAMANIAN RAMESH

Date: \_\_\_\_\_, 2005

Witness Signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2005

Witness Printed Name: \_\_\_\_\_

Inventor Signature: *Robert C. Armstrong*  
ROBERT C. ARMSTRONG

Date: July 25, 2005

Witness Signature: *Therthal Tabteng*

Date: July 25, 2005

Witness Printed Name: THEPTHAL TABTENG

Inventor Signature: \_\_\_\_\_  
GARY SCOTT DELP

Date: \_\_\_\_\_, 2005

Witness Signature: \_\_\_\_\_

Date: \_\_\_\_\_, 2005

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Inventor Signature: \_\_\_\_\_  
SCOTT ALLEN PETERSON

Date: \_\_\_\_\_, 2005

Witness Signature: \_\_\_\_\_

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Attorney Docket Number: 5201-28200  
05-0526

Inventor Signature: \_\_\_\_\_  
DAVID A. GARDNER

Date: \_\_\_\_\_, 2005

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Inventor Signature: Carl A. Monzel III  
CARL ANTHONY MONZEL III

Date: 8/30/05, 2005

Witness Signature: Robert C. Armstrong

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Inventor Signature: \_\_\_\_\_  
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Date: \_\_\_\_\_, 2005

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SCOTT ALLEN PETERSON

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4/7

Attorney Docket Number: 5201-28200  
05-0526

Inventor Signature: \_\_\_\_\_  
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Date: \_\_\_\_\_, 2005

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Inventor Signature: \_\_\_\_\_  
SUBRAMANIAN RAMESH

Date: 7/26/05, 2005

Witness Signature: \_\_\_\_\_  
HOANG NGUYEN

Date: 07/26, 2005

Witness Printed Name: \_\_\_\_\_  
HOANG NGUYEN

Inventor Signature: \_\_\_\_\_  
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Date: \_\_\_\_\_, 2005

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Attorney Docket Number: 5201-28200  
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Inventor Signature: \_\_\_\_\_  
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Inventor Signature:   
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Date: 25 July, 2005

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6/7

Attorney Docket Number: 5201-28200  
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Inventor Signature: \_\_\_\_\_  
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Inventor Signature: Scott Allen Peterson  
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