10-25-2005

Form PTO-1595 (Rev. 03/05) OMB No. 0651-0027 (exp. 6/30/2005)	'ARTMENT OF COMMERCE es Patent and Trademark Office			
RECORD	103106744			
10/17/J PA	103100144			
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)	2. Name and address of receiving party(ies)			
Ramnath Venkatraman, Michael N. Dillon, David A. Gardner, Carl Anthony Monzel III, Subramanian Ramesh, Robert C.	Name: LSI Logic Corporation			
Armstrong, Gary Scott Delp, Scott Allen Peterson	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes 📝 No	I CAU CENTER			
3. Nature of conveyance/Execution Date(s):	Street Address: 1621 Barber Lane 0CT 1 7 2005			
Execution Date(s) 7/25/2005	0011 1 2003			
Assignment Merger				
Security Agreement Change of Name	City: Milpitas			
Joint Research Agreement	State: CA			
Government Interest Assignment				
Executive Order 9424, Confirmatory License	Country: USA Zip: 95035			
Other	Additional name(s) & address(es) attached? Yes V No			
4. Application or patent number(s):	document is being filed together with a new application. RECEIVED			
A. I atent Application No.(5)	B. Patent No.(s)			
11/189,026	•			
	OCT 1 9 2005			
Additional numbers attached? Yes V				
5. Name and address to whom correspondence	6. Total number of applications and patents			
concerning document should be mailed:	involved:_one_(1)			
Name: Daffer McDaniel, ILP	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			
Street Address: P.O. Box 684908	Enclosed			
	None required (government interest not affecting title)			
City: Austin	8. Payment Informatioก			
State: <u>TX</u> Zip: <u>78768-4908</u>	a. Credit Card Last 4 Numbers Expiration Date			
Phone Number: <u>512/476-1400</u>				
Fax Number: <u>512/703-1250</u>	b. Deposit Account Number 12-2252			
Email Address:	Authorized User Name <u>Kevin L. Daffer</u>			
9. Signature:	40171000			
Signature				
14 1 4 5 5 5 5 6 6 6 6 6	Total number of pages including cover			
Kevin L. Daffer, Reg. No. 34,146 Name of Person Signing	sheet, attachments, and documents; 8			

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PAGE 5/21 * RCVD AT 10/17/2005 5:50:25 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:512 703 1250 * DURATION (mm-ss):11-04

10/24/2005 ECOOPER- 00000120 122252 11189026 01 FC:8021 40.00 DA

> **PATENT REEL: 017118 FRAME: 0670**

Attorney Docket Number: 5201-28200

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 ANTIIONY 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 Parent.

representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned verificational, continuing, substitute, renewal, reissue, and all other patent applications on any improvements; execute all rightful oaths, assignments, powers of attorney and other papers; community and the history thereof; and generally do everything possible which said Assignee, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent said improvements and for vesting title to said improvements and all applications to patents and all primprovements, in said Assignee, its successors, assigns and legal representatives; and Covenant with said Assignee, its successors, assigns and legal representatives that no assignet places in the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. Inventor Signature: RAMNATH VENKATRAMAN Witness Signature: Date: July 24 Witness Printed Name: MICHAEL N. DILLON Date: MICHAEL N. DILLON Date: MICHAEL N. DILLON	ue and all other countries on an ed in the Unite om the filing of n its own name ssigns and lega will execute al y and all sain unicate to said elating to said its successors nt protection for patents on said ssignment, gran ade to others by gned.
CIRCUITS," and in and to said application and all divisional, continuing, substitute, renewal, reissus applications for Letters Patent which have been or shall be filed in the United States and all foreign co of said improvements; and in and to all original and reissued patents which have been or shall be issued. States and all foreign countries on said improvements; and in and to all rights of priority resulting fro said United States application; and Agree that said Assignee may apply for and receive Letters Patent for said improvements in and that, when requested, without charge to, but at the expense of, said Assignee, its successors, ass representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will divisional, continuing, substitute, renewal, reissue, and all other patent applications on any improvements; execute all rightful oaths, assignments, powers of attorney and other papers; community and the history thereof, and generally do everything possible which said Assignee, improvements and the history thereof, and generally do everything possible which said Assignee, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent said improvements, in said Assignee, its successors, assigns and legal representatives to patents and all pimprovements, in said Assignee, its successors, assigns and legal representatives that no assign mortgage, license, or other agreement affecting the rights and property herein conveyed has been mad the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. Date: July 26 July 27 July 27 July 27 July 28 July 29 Ju	ue and all other countries on an ed in the Unite om the filing of n its own name ssigns and lega will execute al y and all sain unicate to said elating to said its successors nt protection for patents on said ssignment, gran ade to others by gned.
and that, when requested, without charge to, but at the expense of, said Assignee, its successors, ass representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned vidivisional, continuing, substitute, renewal, reissue, and all other patent applications on any improvements; execute all rightful oaths, assignments, powers of attorney and other papers; commund Assignee, its successors, assigns, and representatives, all facts known to the undersigned relimprovements and the history thereof, and generally do everything possible which said Assignee, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent said improvements and for vesting title to said improvements and all applications to patents and all pimprovements, in said Assignee, its successors, assigns and legal representatives; and Covenant with said Assignee, its successors, assigns and legal representatives that no assigned; license, or other agreement affecting the rights and property herein conveyed has been made the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned. Inventor Signature: RAMNATH VENKATRAMAN Date: July 2 Witness Signature: MICHAEL N. DILLON Date: MICHAEL N. DILLON	ssigns and legation will execute all all sain unicate to said elating to said its successors protection for patents on said signment, grande to others by gned.
Witness Signature: How My Now - Date: July 23 Witness Printed Name: HOANS NEUYEN Inventor Signature: Date:	_
Witness Signature: How My Now - Date: July 23 Witness Printed Name: HOANS NEUYEN Inventor Signature: Date:	
Witness Printed Name: +10 ANS NEUYEN Inventor Signature:	<u>5 05</u> 2005
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Witness Signature: Date:	, 2005
Witness Printed Name:	

Page 1 of 2

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Attorney Docket Number: 5201-28200

05-0526

<u>ASSIGNMENT</u>

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 cond () which was filed on, 20 and assigne	currently herewith, A Serial No	
and is entitled "BASIC CELL ARCHITECTURE FOR STRUCTL CIRCUITS," and in and to said application and all divisional, coapplications for Letters Patent which have been or shall be filed in of said improvements; and in and to all original and reissued patent States and all foreign countries on said improvements; and in and said United States application; and	ntinuing, substitute, renewal, reise the United States and all foreign ts which have been or shall be issu	sue and all other countries on any ued in the United
Agree that said Assignee may apply for and receive Letter and that, when requested, without charge to, but at the expense of representatives, to carry out in good faith the intent and purpose of divisional, continuing, substitute, renewal, reissue, and all other pat execute all rightful oaths, assignments, powers of attorney and successors, assigns, and representatives, all facts known to the unhistory thereof; and generally do everything possible which said Assignee desirable for aiding in securing and maintaining propositing title to said improvements and all applications to patent Assignee, its successors, assigns and legal representatives; and	of, said Assignee, its successors, a f this Assignment, the undersigned tent applications on any and all sai other papers; communicate to sai ndersigned relating to said impro Assignee, its successors, assigns of the patent protection for said impro-	assigns and legal d will execute all id improvements; aid Assignee, its exements and the or representatives ovements and for
Covenant with said Assignee, its successors, assigns an mortgage, license, or other agreement affecting the rights and proj the undersigned, and that full right to convey the same as herein exp	perty herein conveyed has been n	nade to others by
Inventor Signature:	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		
Inventor Signature: MICHAEL N. DILLON Witness Signature: Luri Clean	Date: 7-2	27,2005
Witness Printed Name: Kevin Clarman	Date; / C/	, 2005
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Inventor Signature:

David A. GARDNAR

Witness Signature:

Date: Tuly 25, 2005

Witness Printed Name: IHCPTHAL TABTIENO

Inventor Signature: _______ Date: _______, 2003

Inventor Signature: _______ Date: _______ 2005

SUBRAMANIAN RAMESH

Witness Signature: _______ Date: _______, 2005

Inventor Signature: Date: July 25, 2005

Witness Signature: Date: July 25, 2005

GARY SCOTT DELP

Witness Signature: _______ Date: ______, 2005

Inventor Signature: ______ Date: _______ 2000
SCOTT ALLEN PETERSON

Witness Signature: _______ Date: _______, 2005

Witness Printed Name:

P. 09

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NO.826

Attorney Docket Number: 5201-28200 Inventor Signature: ____ DAVID A. GARDNER Witness Signature: ___ Witness Printed Name: ___ Witness Printed Name: _ Inventor Signature: ___ SUBRAMANIAN RAMESH Wimess Signature: Witness Printed Name: _____ Inventor Signature: ____ ROBERT C. ARMSTRONG Witness Signature: Date: _______, 2005 Witness Printed Name: ____ Inventor Signature: _____GARY SCOTT DELP Witness Signature: Date: ______, 2005 Witness Printed Name: _____ Inventor Signature: ____ Date: ______, 2005 SCOTT ALLEN PETERSON Witness Signature: _____

Page 2 of 2

	Allorney Docket N	05-0526
Inventor Signature: DAVID A. GARDNER	Date:	. 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		
Inventor Signature:CARL ANTHONY MONZEL III	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		,
Inventor Signature: SUB AMANIAN RAMESH		2005
Witness Signature: + Crang Many	Date: <u>07</u> /	26, 2005
Witness Printed Name; HOMNG NGUTEN		
Inventor Signature:	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		
Inventor Signature:GARY SCOTT DELP	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		
Inventor Signature:SCOTT ALLEN PETERSON	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		

Page 2 of 2

P. 11

NO.251 P205

	Attorney Docket Number: 5201-28200 05-0526
Inventor Signature:DAVID A. GARDNER	Datc:, 2005
Witness Signature:	Date:, 2005
Witness Printed Name:	
Inventor Signature;CARL ANTHONY MONZEL III	Date:, 2005
Witness Signature:	Date:, 2005
Witness Printed Name:	
Inventor Signature:SUBRAMANIAN RAMESH .	Date:, 2005
Witness Signature:	Date:, 2005
Witness Printed Name:	
Inventor Signature:ROBERT C. ARMSTRONG	Date:, 2005
Witness Signature:	Date:, 2005
Witness Printed Name:	
Inventor Signature: GARY SCOTT DELP	Date: 25 JUCY, 2005
Witness Signature:	Date: 25 July 2005
Witness Printed Name: George W. Nation	,
Inventor Signature: SCOTT ALLEN PETERSON	Date:, 2005
Wimess Signature:	Date:, 2005

Page 2 of 2

Witness Printed Name: __

	Attorney Docket Number: 5	5 201-2 8200 05-0526
Inventor Signature:DAVID A. GARDNER	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		
Inventor Signature;CARL ANTHONY MONZEL	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		
Inventor Signature:SUBRAMANIAN RAMESH	Date:	, 2005
Witness Signature:	Date:	, 2005
Witness Printed Name:		
Inventor Signature:	Date:	, 2005
Witness Signature:	Date;	, 2005
Witness Printed Name;		
Inventor Signature:GARY SCOTT DELP	Date:	, 2005
Witness Signature;	Date:	, 2005
Witness Printed Name:		
Inventor Signature: SCOTT ALLEN PETERSON	Date: 7/27	
Witness Signature: Leeran		, 2005
Witness Printed Name: Kevin C. L. sor hand		

Page 2 of 2

PAGE 12/21 * RCVD AT 10/17/2005 5:50:25 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-6/26 * DNIS:2738300 * CSID:512 703 1250 * DURATION (mm-ss):11-04

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