10-29-2002 RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Form PTO-1595 Patent and Trademark Office 102263508 y Docket No. 02-4686 73928 "Express Mail" No. EV176328227US To the Commissioner for Patents: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Qian Cui Robert W. Davis 10-16-02 Sandeep Bhutani LSI Logic Corporation Payman Zarkesh-Ha 1551 McCarthy Boulevard John D. Corbeil, Jr. Milpitas, CA 95035 Prabhakaran Krishnamurthy Additional name(s) of conveying party(ies) attached? [ ] Yes [x ] No 3. Nature of conveyance: [x] Assignment [] Merger [] Security Agreement [] Change of Name [ ] Other \_\_\_ Execution Date of each conveying party: October 4, 2002; October 1, 2002; October 4, 2002; October 7, 2002; October 1, 2002; October 4, 2002 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 for each conveying party is: October 4, 2002; October 1, 2002; October 4, 2002; October 7, 2002; October 7, 2002; October 4, 2002 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? [ ] Yes [ x] No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 LSI LOGIC CORPORATION 1551 McCarthy Blvd. [ ] Enclosed Milpitas, CA 95035 [x] Authorized to be charged to deposit account. (408) 433-8708 8. Deposit account number: 12-2252 DO NOT USE THIS SPACE 10/28/2002 TDIAZ1 10272182 40.00 CH 01 FC:802

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.

copy of the original document.

Eric J. Whitesell

Registration No. 38,657

10. Total number of pages including cover sheet, attachments and document: 3

PATENT REEL: 013415 FRAME: 0881

October 16, 2002 Date

San Jose, CA 95129

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned,
Oian Cui. Robert W. Davis. Sandeep Bhutani, Payman Zarkesh-Ha, John D. Corbeil, Jr. and Prabhakaran Krishnamurthy
do hereby sell, assign, and transfer to: LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at
1551 McCarthy Boulevard, 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 Number \_\_\_\_\_

and in and to said application and a which have been or shall be filed original and reissued patents which	all divisional, continuing, substitute, I in the United States and all foreig	VARIATION IN INTERCONNECT METAL PROCESS t, renewal, reissue, and all other applications for Letters Patent gn countries on any of said improvements; and in and to all United States and all foreign countries on said improvements; inited States application; and
without charge to, but at the expethe intent and purpose of this Assiall other patent applications on an papers; communicate to said Assisaid improvements and the historrepresentatives shall consider des	nse of, said Assignee, its successors ignment, the undersigned will execute y and all said improvements; execute ignee, its successors, assigns, and rely thereof; and generally do everythinable for aiding in securing and mainents and all applications to patents	said improvements in its own name; and that, when requested, s, assigns and legal representatives, to carry out in good faith ite all divisional, continuing, substitute, renewal, reissue, and the all rightful oaths, assignments, powers of attorney and other epresentatives, all facts known to the undersigned relating to hing possible which said Assignee, its successors, assigns or intaining proper patent protection for said improvements and a and all patents on said improvements, in said Assignee, its
agreement affecting the rights an	successors, assigns and legal represed d property herein conveyed has been used is possessed by the undersigned	entatives that no assignment, grant mortgage, license, or other een made to others by the undersigned, and that full right to ed.
Name:  Qian Cui 20900 Homestead Road, Apr Cupertino, CA 95014	Date: (3/00)	Witness: Manu Kasangap Printed
Name:  Robert W. Davis 1762 Bedford Circle Fort Collins, CO 80526	Date:	Witness: Printed
Name: Sandeep Bhutani 330 N. Mathilda Avenue, Ap Sunnyvale, CA 94085	Date: 10 4	Witness: Marie Casury of
Name: Payrigh Zarkesh-Ma 39004 Applegate Terrace Fremont, CA 94536	2h-1+a Date: 006. 7	
Name:  John D. Corbeil, Jr.  3443 Sun Disk Court Fort Collins, CO 80526	Date:	Witness:  Witness: Printed
Name: K. Pozebladna Prabhakaran Krishnamurthy 1046 Whitebick Drive	Date: 10/4/	Witness: Mana Casha

**REEL: 013415 FRAME: 0882** 

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Docket No.: 02-4686 73928

Patent

## **ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned, Oian Cui, Robert W. Davis, Sandeep Bhutani, Payman Zarkesh-Ha, John D. Corbeil, Jr. and Prabhakaran Krishnamurthy do hereby sell, assign, and transfer to: LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1551 McCarthy Boulevard, 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,

<ul><li>(x) which has been executed by the</li><li>( ) which was filed on</li></ul>	undersigned concurrently he , 20 and assigned Seri	rewith, al Number
and in and to said application and all divisional, which have been or shall be filed in the Unite	, continuing, substitute, renewed States and all foreign couper shall be issued in the United	ATION IN INTERCONNECT METAL PROCESS val, reissue, and all other applications for Letters Patent ntries on any of said improvements; and in and to all States and all foreign countries on said improvements; states application; and
without charge to, but at the expense of, said A the intent and purpose of this Assignment, the all other patent applications on any and all said papers; communicate to said Assignee, its successid improvements and the history thereof; an representatives shall consider desirable for aid	assignee, its successors, assigned will execute all cimprovements; execute all rigosors, assigns, and represed generally do everything poing in securing and maintaini applications to patents and a	aprovements in its own name; and that, when requested, and legal representatives, to carry out in good faith divisional, continuing, substitute, renewal, reissue, and aphtful oaths, assignments, powers of attorney and other nattives, all facts known to the undersigned relating to ossible which said Assignee, its successors, assigns or ng proper patent protection for said improvements and ll patents on said improvements, in said Assignee, its
	erein conveyed has been ma	es that no assignment, grant mortgage, license, or other de to others by the undersigned, and that full right to
Name:	Date:	Witness:
Qian Cui 20900 Homestead Road, Apt. D3 Cupertino, CA 95014	Date: 10) 1/62	Witness: Printed  Agen Amarch ()
Name: Robert W. Davis 1762 Bedford Circle Fort Collins, CO 80526	Date: 10/ 1/62	Witness: DAN PREVEDEC Printed
Name:	Date:	Witness:
Sandeep Bhutani 330 N. Mathilda Avenue, Apt. 109 Sunnyvale, CA 94085		Witness:Printed
Name:	Date:	Witness:
Payman Zarkesh-Ha 39004 Applegate Terrace Fremont, CA 94536	-	Witness: Printed
Name: M D M h  Nohn D. Corbeil, Jr. 3443 Sun Disk Court Fort Collins, CO 80526	Date: 10-1-02	Witness: AN REVENEL
Torr Connies, CC 30320		
Name:	Date:	Witness:
Prabhakaran Krishnamurthy 1046 Whitebick Drive		Witness:

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