

S.	DEPARTMENT	OF COMMERCE

1-31-92 1 (	0.5. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Patents and Trade	marks: Please record the attached original documents or copy thereof.
1. Name of conveying party(ies)	v 5
Steven REDER, Michael J. BERMAN and Rennie BARBER	Name: LSI LOGIC CORORATION
Additional name(s) of conveying party(ies) attached? ☐ Yes ⋈ No	Internal Address: 1551 McCARTHY BOULEVARD MILPITAS, CALIFORNIA 95035
3. Nature of conveyance:	Street Address: SAME AS ABOVE
🛮 Assignment 🗆 Merger	
☐ Securing Agreement ☐ Change of Name	City:State:Zip:
□ Other  Execution Date: February 6, 2003	Additional name(s) and address(es) attached: 1 165 to 140
<ul> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application, the ex</li> <li>A. Patent Application No.(s)</li> </ul> Additional number(s)	Recution date of the application is: February 7, 2003  B. Patent No.(s)  The property of the application is: February 7, 2003
Name and address of party to whom correspondence concerni document should be mailed:      Name: Timothy R. Croll, Reg. No. 36,771  Internal Address: LSI LOGIC CORPORATION	6. Total number of applications and patents involved:
MS/D-106 1551 MCCARTHY BOULEVARD MILPITAS, CALIFORNIA 95035	7. Total fee (37 CFR 3.41) <b>\$ 40.00</b>
Street Address: SAME AS ABOVE	Enclosed
City: State: Zip:	Authorized to be charged to deposit account 12-2252.
	8. Deposit account number:  12-2252  (Attach duplicate copy of this page if paying by deposit account)
FC:8021 40.00 CH	OT USE THIS SPACE
Statement and signature.     To the best of my knowledge and belief, the foregoing information is document.	s true and correct and any attached copy is a true copy of the original
JAMES R. FOLEY  Name of Person Signing	February 7, 2003  Date Date
	Total number of pages including cover sheet, attachments, and document:

## **ASSIGNMENT OF APPLICATION**

**Docket Number:** 

02-5948

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

We, the undersigned,

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,

which has been executed by the undersigned concurrently herewith,

and which is entitled:

## A METHOD TO USE A LASER TO PERFORM THE EDGE CLEAN OPERATION ON A SEMICONDUCTOR WAFER

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.

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Inventors \	0		
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Michael Berman	()		7
Name Paul Por	pku	Date: Fols	6,2003
Rennie Barber			
Witness Signature:	del :	Wand	
Witness Printed Name:	Mark	Mares	<u> </u>

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Witness Address:

**RECORDED: 02/07/2003** 

PATENT REEL: 013754 FRAME: 0297