

10.14.03



To the Director of the U.S. Patent and Trademark

102583383

documents or copy thereof.

17497 U.S. PTO  
10/684733

101403

1. Name of conveying party(ies):  
Danny C. Vogel  
  
Additional names(s) of conveying party(ies) attached? **No**

2. Name and address of receiving party(ies):  
Name: LSI Logic Corporation  
Internal Address: MS: D-106 Legal  
  
Street Address: 1621 Barber Lane  
  
City: Milpitas State: CA ZIP: 95035  
  
Additional name(s) & address(es) attached? **No**

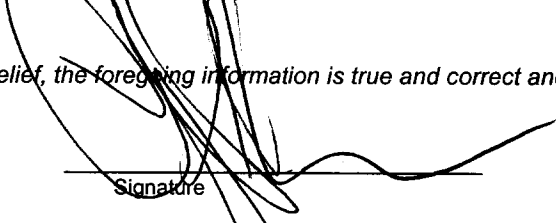
3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other: \_\_\_\_\_  
Execution Date: October 13, 2003

4. Application number(s) or patent number(s): 10684733  
If this document is being filed together with a new application, the execution date of the application is: October 14, 2003  
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:  
Name: **LSI Logic Corporation**  
Internal Address: **MS: D-106 Legal**  
Street Address: **1621 Barber Lane**  
City: **Milpitas** State: **CA** ZIP: **95035**

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41) **\$40.00**  
 Enclosed  
 Authorized to be charged to deposit account if necessary  
8. Deposit Account Number: **12-2252**  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.*  
  
Christopher P. Maiorana  October 14, 2003  
Reg. No.: 42,829 Signature Date  
  
Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

10/23/2003 LMUELLER 00000036 122252 10684733

01 FC:0021 40.00 DA

**ASSIGNMENT OF APPLICATION****Docket Number: 03-1095 / 1496.00324**

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

I, the undersigned,

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,

which has been executed by the undersigned concurrently herewith,

and which is entitled:

**EFFICIENT IMPLEMENTATION OF MULTIPLE CLOCK DOMAIN ACCESSES TO DIFFUSED MEMORIES IN STRUCTURED ASICS**

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.

**First named inventor**

Name

Danny C. Vogel

Date

10/13/2003

Witness Signature:

Luis Chan

Witness Printed Name:

LUIS CHAN

Witness Address:

20 ENDICOTT AVE  
APT. BSOMERVILLE, MA 02144