

11-19-04

**ASSIGNMENT RECORDATION COVER SHEET
-PATENTS ONLY-**

22278 U.S. PTO
10/993603
111904

Commissioner of Patents:

11-30-2004

Please record the attached document.



1. Name of conveying party:

102891686

- a) Nicholas K. Eib
b) Ebo H. Croffie
c) Neal P. Callan

2. Name and address of receiving party:

- a) Name: LSI Logic Corporation
Address: 1621 Barber Lane
Milpitas, CA 95035

3. Nature of conveyance:

- | | |
|------------------------------------------------|--------------------------------------------|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other _____ | <input type="checkbox"/> License Agreement |

Execution Date: 10/25/04 (Eib); 11/03/04 (Croffie); 11/17/04 (Callan)

4. Application Number or Patent Number: Filed Herewith

The title of the application is: **PROCESS AND APPARATUS FOR GENERATING A STRONG PHASE SHIFT OPTICAL PATTERN FOR USE IN AN OPTICAL DIRECT WRITE LITHOGRAPHY PROCESS**

5. Please send all correspondence concerning this document to:

Customer Number

024319

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☐ Enclosed.
☒ Charge to Deposit Account No. 12-2252 (Order No. 04-0028).
☒ Any additional fees are authorized to be charged to Deposit Account No. 12-2252 (Order No. 04-0028).

Date: November 19, 2004

Francis T. Kalinski II
Registration No. 44,177

11/30/2004 ECOOPER 00000059 122252 10993603
01 FC:8021 40.00 DA

Total number of pages including this cover sheet, attachments and documents: 4

Attorney Docket No. 04-0028/LSI1P245

(Revised 9/03)

**PATENT
REEL: 016018 FRAME: 0435**

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, Nicholas K. Eib, Ebo H. Croffie, and Neal P. Callan, 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 Application No. _____,

and is entitled: **PROCESS AND APPARATUS FOR GENERATING A STRONG PHASE SHIFT OPTICAL PATTERN FOR USE IN AN OPTICAL DIRECT WRITE LITHOGRAPHY PROCESS**


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.

Name: 
Nicholas K. Eib

Date: 10/25, 2004

Witness: 

Name: _____
Ebo H. Croffie

Date: _____, 2004

Witness: _____

Name: _____
Neal P. Callan

Date: _____, 2004

Witness: _____

04-0028/LSI1P245

Assignment

(Revised 011995)

Docket No.: 04-0028/LSI1P245

Patent

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- (X) which has been executed by the undersigned concurrently herewith,
- () which was filed on _____, 20____ and assigned Application No. _____,

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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.

Name: _____ Date: _____, 2004 Witness: _____
Nicholas K. Eib

Name: Ebo H. Croffie Date: 11/03/04, 2004 Witness: Colin H. [Signature] 11-3-2004
Ebo H. Croffie

Name: _____ Date: _____, 2004 Witness: _____
Neal P. Callan

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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.

Name: _____ Date: _____, 2004 Witness: _____
 Nicholas K. Eib

Name: _____ Date: _____, 2004 Witness: _____
 Ebo H. Croffie

Name: Neal P. Callan Date: 11/19/04, 2004 Witness: James S. Callan
 Neal P. Callan