

04-09-2003

ASSIGNMENT



102412865

FR SHEET

jc914 U.S. PTO
10/397451
03/25/03

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

- a) **Hong Lin**
- b) **Shiqun Gu**
- c) **Wai Lo**
- d) **Jim Elmer**

3-25-03

2. Name and address of receiving party(ies):

- a) Name: **LSI LOGIC CORPORATION**
- Address: **1551 McCarthy Boulevard
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: **March 18, 2003 (Lin, Lo and Elmer); March 19, 2003 (Gu).**

4. Application Number(s) or Patent Number(s): **NEW**

10397451

The title of the (new) application is:

HIGH-K DIELECTRIC BIRD'S BEAK OPTIMIZATIONS USING IN-SITU O₂ PLASMA OXIDATION

5. Please send all correspondence concerning this (these) documents to:

**Customer Number 24319
LSI Logic Corporation
1551 McCarthy Boulevard
Milpitas, California
Telephone (408) 433-6100**

6. Total number of applications and patents involved: 1

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

- Enclosed
- Any fees are authorized to be charged to Deposit Account No. 12-2252 (Order No. 02-5931)

8. 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.

Date: March 25, 2003

Russell N. Swerdon
Registration No. 36,943

04/08/2003 ECDUPER 00000051 122252 10397451
01 FC:8021 40.00 CH

Attorney Docket No. 02-5931/LSI1P214

(Revised 12/01)

**PATENT
REEL: 013920 FRAME: 0297**

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, Hong Lin, Shiqun Gu, Wai Lo, and Jim Elmer, 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,


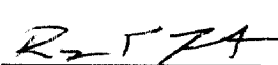
- (X) which has been executed by the undersigned concurrently herewith,
- () which was filed on _____ and assigned Application No. _____,


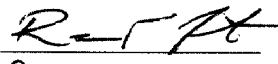
and is entitled: **HIGH-K DIELECTRIC BIRD'S BEAK OPTIMIZATIONS USING IN-SITU O₂ PLASMA OXIDATION**

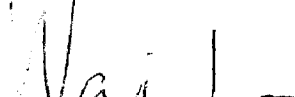

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which 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

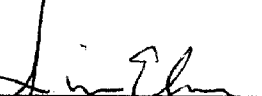
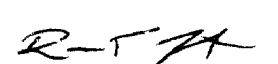
Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, 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: 3/18/03, 2003 Witness: 
 Printed **Hong Lin** Printed **RYAN T FUJIMOTO**

Name:  Date: 3/19, 2003 Witness: 
 Printed **Shiqun Gu** Printed **RYAN T FUJIMOTO**

Name:  Date: 3/18, 2003 Witness: 
 Printed **Wai Lo** Printed **RYAN T FUJIMOTO**

Name:  Date: 3/18, 2003 Witness: 
 Printed **Jim Elmer** Printed **RYAN T FUJIMOTO**