

MRS
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03-11-2002

ASSIG.



102009051

1 SHEET

To: Honorable Commissioner of Patents and Trademarks:

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

1. Name of conveying party(ies)

- a) Sang-Yun Lee
- b) Masaichi Eda
- c) Hongqiang Lu
- d) Wei-Jen Hsia
- e) Wilbur G. Catabay
- f) Hiroaki Takikawa
- g) Yongbae Kim

FEB 19 2002

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

- a) Name: LSI LOGIC CORPORATION
- Address: 1551 McCarthy Boulevard
Milpitas, California 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: 12-01-01 (Lee); 12-11-01 (Eda); 11-29-01 (Lu); 11-29-01 (Hsia); 11-29-01 (Catabay); 12-10-01 (Takikawa); 11-30-01 (Kim)

4. Application Number(s) or Patent Number(s): 10/020,084

The title of the (new) application is:

ANTI-REFLECTIVE COATINGS FOR USE AT 248 NM AND 193 NM

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

Customer Number: 24319



24319

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved: One (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. 01-636)

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: January 29, 2002

Francis T. Kalinski II
Registration No. 44,177

03/08/2002 00000197 122252 10020084

01 FC:581 40.00 CH

Attorney Docket No. 01-636/LSI1P182

(Revised 12/01)

PATENT
REEL: 012639 FRAME: 0631

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, Sang-Yun Lee, Masaichi Eda, Hongqiang Lu, Wei-Jen Hsia, Wilbur G. Catabay, Hiroaki Takikawa, and Yongbae Kim, 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 Application No. _____,

and is entitled: **ANTI-REFLECTIVE COATINGS FOR USE AT 248 NM AND 193 NM**

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: Sangyun Lee
Sang-Yun Lee

Date: 12-1, 2001 Witness: _____
Printed

Name: _____
Masaichi Eda

Date: _____, 2001 Witness: _____
Printed

ASSIGNMENT

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Name: _____
Sang-Yun Lee

Date: _____, 2001 Witness: _____
Printed

Name: Masaichi Eda
Masaichi Eda

Date: 12/11/01, 2001 Witness: Masakazu Kamezawa
Printed

Name: Hongqiang Lu

Date: Nov. 29, 2001

Witness: Connie del Castillo
Printed

Name: Wei-Jen Hsia

Date: Nov. 29, 2001

Witness: Connie del Castillo
Printed

Name: Wilbur G. Catabay

Date: Nov 29, 2001

Witness: Connie del Castillo
Printed

Name: Hiroaki Takikawa

Date: _____, 2001

Witness: _____
Printed

Name: Yongbae Kim

Date: _____, 2001

Witness: _____
Printed

LSI Logic Corporation
Intellectual Property
Corporate Legal Department
1551 McCarthy Blvd., MS D-106
Milpitas, California 95035

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Name: _____ Date: _____, 2001 Witness: _____
 Sang-Yun Lee Printed

Name: _____ Date: _____, 2001 Witness: _____
 Masaichi Eda Printed

Name: Hongqiang Lu Date: Nov 29, 2001 Witness: Connie delCastillo
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Name: Wei-Jen Hsia Date: Nov 29, 2001 Witness: Connie delCastillo
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Name: Wilbur G. Catabay Date: Nov 29, 2001 Witness: Connie delCastillo
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Name: _____ Date: _____, 2001 Witness: _____
Hiroaki Takikawa Printed

Name: _____ Date: _____, 2001 Witness: _____
Yongbae Kim Printed

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Date: _____, 2001 Witness: _____
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Name: _____
Wei-Jen Hsia

Date: _____, 2001 Witness: _____
Printed

Name: _____
Wilbur G. Catabay

Date: _____, 2001 Witness: _____
Printed

Name: H. Taki
Hiroaki Takikawa

Date: 12/10, 2001 Witness: Hiroaki Takikawa
Printed

Name: _____
Yongbae Kim

Date: _____, 2001 Witness: _____
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Date: _____, 2001 Witness: _____
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Name: _____
Wei-Jen Hsia

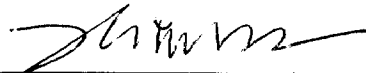
Date: _____, 2001 Witness: _____
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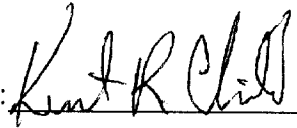
Name: _____
Wilbur G. Catabay

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Name: _____
Hiroaki Takikawa

Date: _____, 2001 Witness: _____
Printed

Name: 
Yongbae Kim

Date: 11/30, 2001 Witness: 
Printed