Mrcs Assig. 2/19/2

03-11-2002

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 1 9 2000
2.	Name and address of receiving party(ies): a) Name: LSI LOGIC CORPORATION Address: 1551 McCarthy Boulevard Milpitas, California 95035
3.	Nature of conveyance Assignment
	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
6.	Total number of applications and patents involved: One (1) 24319 PATENT TRADEMARK OFFICE
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. att	To the best of my knowledge and belief, the foregoing information is true and correct and any ned copy is a true copy of the original document.
Da 03/08/2002 01 FC:581	January 29, 2002 Francis T. Kalinski II Registration No. 44,177

Attorney Docket No. 01-636/LSI1P182

(Revised 12/01)

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,
am 4.141 a. 4.	A BUTTLE DELIVER TO COMPANY

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: Sang-Xun Lee Sang-Xun Lee	Date: /2 / , 2001	Witness:Printed
Name: Masaichi Eda	Date:, 2001	Witness:Printed

Page 1 of 2

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 undersign	ned concurrently herewith,	
()	which was filed on	, 20	and assigned Application No	_1

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

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Name:Sang-Yun Lee	Date:, 2001 Witness: Printed
Name: Maray Masaichi Eda	Date: 12/11/01, 2001 Witness: Masakazu Kanezawa Printed

Page 1 of 2

Assignment (Revised 011995)

Name:	
Hongqiang Lu Date: Nov. 29 2001 Witness: Convie de Castille Name: W. H.	' <u>.</u>
Name: West Hair	70
Name: Muller & Other Date: Non. 29. 2001 Witness: Convieded Cartill	/ ♂
Wilbur G. Catabay Date: Aby 29, 2001 Witness: Conniedel Cashill	1
	2
Hiroaki Takikawa Date: , 2001 Witness:	
Name: Printed Printed Yongbae Kim Date:	
Yongbae Kim Date:, 2001 Witness:Printed	
LSI Logic Corporation Intellectual Property Corporate Legal Department 1551 McCarthy Blvd., MS D-106 Milpitas, California 95035	

Page 2 of 2

ASSIGNMENT

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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:, 2001 Witness: Sang-Yun Lee Printed

Page 1 of 2

Date: , 2001 Witness:____

Printed

Assignment (Revised 011995)

Name:

Masaichi Eda

Name:	Hongqiang Lu	Date: Vov 2 1 2001	Witness: Conne della stille Printed
Name:	Wei-Jen Hsia	Date: <u>Wov 29</u> , 2001	Witness: Connie del Castill. Printed
Name:_	Wilbur G. Catabay	Date: <u>√0 v 29</u> , 2001	Witness: Connedel Castilla Printed
	Hiroaki Takikawa	Date:, 2001	Witness: Printed
-	Yongbae Kim	Date:, 2001	Witness:Printed
			LSI Logic Corporation

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

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Name: Sang-Yun Lee	Date:	, 2001 Witness: Printed	
Name: Masaichi Eda	Date:	_, 2001 Witness: Printed	

Page 1 of 2

Name:	Date:	, 2001	Witness:
Hongqiang Lu			Printed
Name: Wei-Jen Hsia	Date:	_, 2001	Witness:Printed
Name: Wilbur G. Catabay	Date:	_, 2001	Witness:Printed
Name: Hiroaki Takikawa	Date: /2/10	_, 2001	Witness: Hiroaki kakikawa Printed
Name:Yongbae Kim	Date:	_, 2001	Witness:Printed

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Docket No.: 01-636/LSI1P182 Patent

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Name:Sang-Yui	Da	ate:, 2001	Witness:Printed
Name: Masaichi	Da	nte:, 2001	Witness:Printed

Page 1 of 2

Name:		Date:	_, 2001	Witness:
	Hongqiang Lu			Printed
Name:	Wei-Jen Hsia	Date:	_, 2001	Witness:
Name:	Wilbur G. Catabay	Date:	_, 2001	Witness:Printed
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Name:	Hiroaki Takikawa	Date:	_, 2001	Witness: Printed
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