

4-1-03

04-11-2003

ASSIGNMENT RECORDATION COVER
-PATENTS ONLY-



102416966

Honorable Commissioner of Patents and Trademarks:

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

- 1. Name of conveying party(ies)
 - a) **Kunal Taravade**
 - b) **Neal Callan**

- 2. Name and address of receiving party(ies):
 - a) Name: **LSI LOGIC COPORATION**
 - 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: **February 18, 2003**

- 4. Application Number(s) or Patent Number(s): **10/328,346**

The title of the (new) application is:

CHROMELESS PHASE SHIFT MASK USING NON-LINEAR OPTICAL MATERIALS

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

Beyer Weaver & Thomas, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Ph: (510) 843-6200
Fax: (510) 843-6203
(Customer Number: 022434)

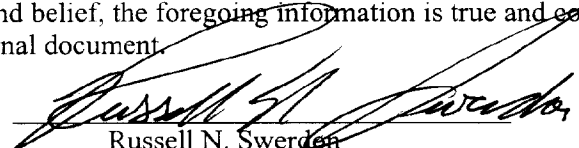
- 6. Total number of applications and patents involved: 1

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

- Enclosed
- The Commissioner is authorized to charged Deposit Account No. 12-2252 (Order No. 02-4481)

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 26, 2003



 Russell N. Swerden
 Registration No. 36,943

04/10/2003 ECDOPER 00000126 122252 10328346
 01 FC:8021 40.00 CH

Attorney Docket No. 02-4481/LSI1P202

(Revised 12/01)

PATENT
REEL: 013932 FRAME: 0536

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned, Kunal Taravade and Neal Callan, 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,

- () which has been executed by the undersigned concurrently herewith,
- (X) which was filed on December 24, 2003 and assigned Application No. 10/328,346,

and is entitled: **CHROMELESS PHASE SHIFT MASK USING NON-LINEAR OPTICAL MATERIALS**

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: *Kunal Taravade* Date: 2/18/, 2003 Witness: *Karen Rippe*
 Printed Karen Rippe

Name: *Neal Callan* Date: 2/18/, 2003 Witness: *Karen Rippe*
 Printed Karen Rippe

Assignment
(Revised 01/1995)

1001 NO. 348

LSI LOGIC / GRESHAM → 9144084337460
5036186580

02/18/2003 09:57

PATENT

RECORDED: 04/01/2003

REEL: 013932 FRAME: 0537