11-21-2000

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

	01523366 Patent and Trademark Office Docket 00-248
To the Commissioner for Patents: Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Senol Pekin and Kang-rong Chiang	LSI Logic Corporation 1551 McCarthy Blvd. Milpitas, CA 95035
Additional name(s) of conveying party(ies) attached? [] Yes [x] No	
3. Nature of conveyance:	
[x] Assignment [] Merger [] Security Agreement [] Change of Name [] Other	
Execution Date: August 10, 2000	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution date of the application is: August 10, 2000	
A. Patent Application No.(s) 09/636,498	B. Patent No.(s)
Additional numbers attached? [] Yes [X] No	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
LSI Logic Corporation	7. Total fee (37 CFR 3.41): \$40.00
1551 McCarthy Blvd., MS D-106 Milpitas, CA 95035 (408) 433-8000	[x] Ck. No. 7003 previously submitted on 8/11/00 [] Authorized to be charged to deposit account
(100) 133 0000	8. Deposit account number: 06-1135
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9. Statement and signature.	
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. Richard E. Wawrzyniak	
Registration No. 36,048	Date: November 8, 2000
10. Total number of pages including cover sheet, attachments and document: 2	

PATENT REEL: 011248 FRAME: 0894 09-06-2000

RECORDATION FORM COVER SHEET

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U.S. DEPARTMENT OF COMMERCE

Form PTO-1595 Patent and Trademark Office PATENTS ONLY Docket 00-248 "Express Mail" No. EL307231231US To the Commissioner for Patents: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Senol Pekin and Kang-rong Chiang LSI Logic Corporation Additional name(s) of conveying party(ies) attached? [] Yes [x] No 3. Nature of conveyance: [] Merger [x] Assignment [] Security Agreement [] Change of Name [] Other_ 036498 Execution Date: August 10, 2000 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: August 10, 2000 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? [] Yes [] No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 LSI Logic Corporation 1551 McCarthy Blvd., MS D-106 [x] Enclosed Milpitas, CA 95035] Authorized to be charged to deposit account (408) 433-8000 8. Deposit account number: 06-1135 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true riginal document. Thomas F. Lebens ature Registration No. 38,221 Date: August 11, 2000

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10. Total number of pages including cover sheet, attachments and document: 2

PATENT REEL: 011248 FRAME: 0895 Docket No.: 00-248

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned, Senol Pekin and Kang-rong Chiang, of San Jose, 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 ______, 19 and assigned Serial Number _____ and is entitled: APPARATUS AND METHOD OF RAPID WAFER BUMPING 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 imprevements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignce, 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

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.

______Date: 08/1/2000

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

Intellectual Property Corporate Legal Department

Witness: \

1551 McCarthy Blvd, MS D-106

LSI Logic Corporation Intellectual Property Corporate Legal Department

1551 McCarthy Blvd., MS D-106

Milipitas, California 95035

RECORDED: 11/13/2000

PATENT REEL: 011248 FRAME: 0896