09-30-2004



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| RECORDATION FORM COVER SHEETU.S. DEPAR Form PTO-1595 Patent and Trademark Offi. "Express Mail" No. EV 410721958 US PATENTS  | 102848673<br>ONLY Attorney Docket No. 04-0418 81774/6653                               |  |  |  |  |  |
|---|--|--|--|--|--|--|
| 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):   |  |  |  |  |  |
| Alexander Tetelbaum - 8/24/04<br>Benjamin Mbouombouo - 9/16/04  | LSI Logic Corporation  |  |  |  |  |  |
| Additional name(s) of conveying party(ies) attached?  ☐ Yes ☒ No  | 1621Barber Lane<br>Milpitas, CA 95035  |  |  |  |  |  |
| 3. Nature of conveyance:  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |
| Execution Date of each conveying party: 8/24/2004 & 9/16/04   |  |  |  |  |  |  |
| 4. Application number(s) or patent number(s): 10/7476/8  If this document is being filed together with a new application, the execution date of the application for each conveying party is: September 22, 2004 |  |  |  |  |  |  |
| A. Patent Application No.(s)  | B. Patent No.(s)   |  |  |  |  |  |
| Additional numbers attached?   Yes   No   |  |  |  |  |  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:   | 6. Total number of applications and patents involved: 1                                |  |  |  |  |  |
|   | 7. Total fee (37 CFR 3.41): \$ 40.00   |  |  |  |  |  |
| LSI LOGIC CORPORATION 1621 Barber Lane Milpitas, CA 95035 (408) 433-8708  | ☐Enclosed ☑Authorized to be charged to deposit account should the fee not be enclosed. |  |  |  |  |  |
|   | 8. Deposit account number: 12-2252   |  |  |  |  |  |
| 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<br>copy of the original document.   |  |  |  |  |  |  |
| Eric J. Whitesell Registration No. 38,657   | September 22, 2004<br>Date   |  |  |  |  |  |

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

Docket No.: 04-0418 81774/6653

Patent

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned, Alexander Tetelbaum, Benjamin Mbouombouo do hereby sell, assign, and transfer to: LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1621 Barber Lane, 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 Serial Numb                   | ег |

and is entitled: METHOD OF FLOORPLANNING AND CELL PLACEMENT FOR INTEGRATED CIRCUIT CHIP ARCHITECTURE WITH INTERNAL I/O RING 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:

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PATENT

REEL: 015828 FRAME: 0588