

12-18-2003


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To the Honorable Commissioner of Patents and Trademarks: Please return the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (in counterpart)</p> <p>(1) Anwar ALI <i>12.9.03</i>  (2) Tauman T. LAU  (3) Kalyan DODDAPANENI</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <b>LSI Logic Corporation</b>  Street Address: <b>1621 Barber Lane</b>  City: <b>Milpitas</b> State: <b>CA</b> Zip: <b>95035</b></p> <p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.</p> <div style="text-align: right;">  </div>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> <b>Assignment</b> Execution dates: (1) <b>December 9, 2003</b>  (2) <b>December 9, 2003</b>  (3) <b>December 9, 2003</b></p>	
<p>4. Application number(s) or patent number(s): <i>10732395</i>  If this document is being filed together with a new application, the execution date of the application is:  <b>December 9, 2003, December 9, 2003, and December 9, 2003.</b></p> <p>A. Patent Application No.(s) B. Patent No.(s)</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <b>Sandeep Jaggi</b>  <b>LSI Logic Corporation</b>  <b>IP Law Department</b>  Address: <b>1621 Barber Lane, M/S D-106</b>  <b>Milpitas, CA 95035</b></p>	<p>6. Total number of applications and patents involved: <b>One</b></p> <p>7. Total fee (37 CFR 3.41)..... <b>\$ 40.00</b>  <input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <b>12-2252</b> (LSI Logic Corporation)  (Attach duplicate copy of this page if paying by deposit account)</p>
<p>9. Statement and signature.  <i>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.</i></p> <p><b>Stephen G. Sullivan</b> <i>[Signature]</i> <b>December 9, 2003</b></p> <p>_____  Name of Person Signing Signature Date</p> <p>12/17/2003 DBYRNE 00000060 122252 10732395  01 FC:8021 40.00 DA</p>	

Total number of pages including cover sheet, attachments, and documents: 2

**ASSIGNMENT**

For good and valuable consideration, the receipt of which is hereby acknowledged, I/we, the undersigned, **Anwar ALI, Tauman T. LAU and Kalyan DODDAPANENI**, do hereby sell, assign, and transfer to: **LSI Logic Corporation**, a corporation existing under the laws of the state of Delaware, having a principal place of business at 1621 Barber Lane, Milpitas, CA 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 improvements which are disclosed in the application for the United States Letters Patent,

- which has been executed by the undersigned concurrently herewith,  
 which was filed on \_\_\_\_\_ and assigned Serial No: \_\_\_\_\_,

and is entitled:


**CELL-BASED METHOD FOR CREATING  
SLOTTED METAL IN SEMICONDUCTOR DESIGNS**

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 for 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.

Signed:

Name:   
Anwar ALI

Date: 9 DEC 2003

Name:   
Tauman T. LAU

Date: 12/09/03

Name:   
Kalyan DODDAPANENI

Date: 12/09/03