1. Name of conveying party(ies):  
   Ravi Jallepally  
   Shih-Hung Li  
   Alain Dubouste  
   Jun Zhao  
   Liang-Yuh Chen  
   Daniel A. Carl  
   Date  
   07/11/02  
   07/28/02  
   07/12/02  
   07/26/02  
   07/12/02  
   07/13/02

2. Name and address of receiving party(ies):  
   Name: Applied Materials, Inc.  
   Internal Address: P.O. Box 450-A  
   Street Address:  
   City: Santa Clara  
   State: CA  
   Zip: 95052

3. Nature of conveyance:  
   X Assignment  
   _ Merger  
   _ Security Agreement  
   _ Change of Name  
   _ Other  
   Execution Date: SEE ABOVE

4. Application number(s) or registration number(s):  
   10/215068
   If this document is being filed together with a new application, the execution date of the application is: 8-7-02 (Date of Filing)

5. Name and address of party to whom correspondence concerning document should be mailed:  
   Name: Patent Counsel  
   Internal Address: APPLIED MATERIALS, INC.
   Street Address: P.O. Box 450-A  
   City: Santa Clara  
   State: CA  
   Zip: 95052

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

7. Total fee (37 C.F.R. 3.41): $ 40.00
   Enclosed
   _ Authorized to be charged to deposit account
     50-1074/APPM/8415/TCG/BG

8. Deposit account number:  
     50-1074/APPM/8415/TCG/BG

   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.
   Name of Person Signing  
   Robert W. Mulcahy, Reg. No. 25,436
   Signature  
   7/16/02
   Date

Total number of pages including cover sheet, attachments and document: 11

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

08/16/2002 BTDM11  00000149 501074  10215068
01 FC4581  40.00 CH

PATENT
REEL: 013191 FRAME: 0208
ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

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<th>Name</th>
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3) ____________, 2002 ____________ Alain Duboust

4) ____________, 2002 ____________ Jun Zhao

5) ____________, 2002 ____________ Liang-Yuh Chen

6) ____________, 2002 ____________ Daniel A. Carl
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998 #A La Mesa Terrace  
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