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1. Name of conveying party(ies):  
James H. Lie  
*11/16/01*  
Additional names(s) of conveying party(ies) attached? No

2. Name and address of receiving party(ies):  
Name: Cypress Semiconductor Corporation  
Internal Address: \_\_\_\_\_  
Street Address: 3901 North First Street  
City: San Jose State: CA ZIP: 95134  
Additional name(s) & address(es) attached? No

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09/19/2001  
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3. Nature of conveyance:  
 Assignment  Merger  
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Execution Date: November 15, 2001

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: November 16, 2001  
A. Patent Application No(s):  
11/28/2001 MGE BREM1 00000011 09992651  
02 FC:581 40.00 OP  
B. Patent No(s):  
Additional numbers attached?  Yes  No

*09/19*

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: CHRISTOPHER P. MAIORANA, P.C.  
Internal Address:  
Street Address: 24025 GREATER MACK, SUITE 200  
City: ST. CLAIR SHORES State: MI ZIP:48080

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41) \$40.00  
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*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.*  
Christopher P. Maiorana *[Signature]* November 16, 2001  
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Total number of pages including cover sheet, attachments, and document: 3

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PATENT  
REEL: 012327 FRAME: 0247

Case No. 0325.00522**ASSIGNMENT**

In exchange for good and valuable consideration, the receipt of which is hereby acknowledged, I, **JAMES H. LIE**, hereby sell, assign and transfer to **CYPRESS SEMICONDUCTOR CORPORATION** (hereinafter referred to as "ASSIGNEE"), having a place of business at 3901 N. First Street, San Jose, California 95134, the full and exclusive right title and interest in and to any and all improvements disclosed in the application for United States Patent entitled "**METHOD OF LOCALIZED PLACEMENT MANIPULATION WITHOUT EXTRA LATENCY**", filed on \_\_\_\_\_ and having Serial No. \_\_\_\_\_, any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof, all rights of priority resulting from the filing of said application, and any and all Letters Patents which issue from said application, together with all claims for damages by reason of past infringement of said patent and with the right to sue for and collect the same;

I hereby authorize and request the Officials of the United States Patent and Trademark Office and of any and all foreign Patent Offices to issue and all of said Letters Patents, when granted, to said ASSIGNEE as the assignee of our entire right, title and interest in and to the same, for the sole use of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Letters Patents may be granted;

On request, I agree to execute all oaths, declarations, assignments, powers of attorney and other papers related to said application and any and all divisions, reissues, continuations, substitutions, reexaminations, renewals and foreign equivalents thereof; communicate to said ASSIGNEE, its successors, assigns and representatives all facts known to me concerning said improvements and the history thereof; and generally do everything possible to assist and aid said ASSIGNEE in obtaining, securing and maintaining patent protection for said improvements and for vesting title to said improvements and any and all applications for and patents on said improvements in said ASSIGNEE, its successors and assigns;

I have made no previous assignment, grant, mortgage, license or other agreement to or with others affecting the rights and property conveyed herein; and

I hereby grant to the firm of **CHRISTOPHER P. MAIORANA, P.C.**, located at 24025 Greater Mack, Suite 200, St. Clair Shores, Michigan 48080, the power to insert on this document any further identification necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

  
\_\_\_\_\_  
Signature of Inventor

Date: Nov. 15, 2001

James H. Lie  
\_\_\_\_\_  
Name of Inventor